

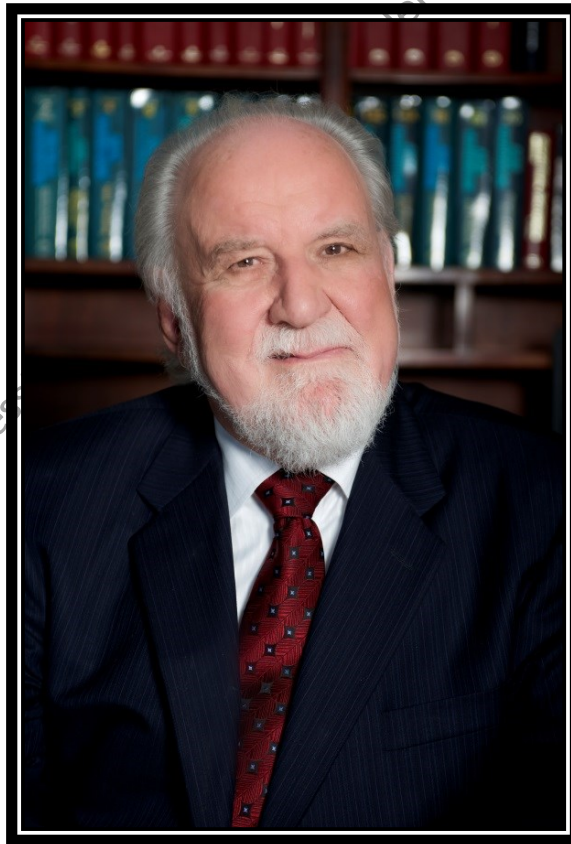
**J.E.I. METALLURGICAL, INC.**  
CONSULTING METALLURGICAL ENGINEERS

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DALLAS, TEXAS 75287

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**CURRICULUM VITAE**  
**OF**  
**R. CRAIG JERNER, Ph.D., P.E.**



**CURRICULUM VITAE  
OF  
R. CRAIG JERNER, Ph.D., P.E.**

**EDUCATION**

Ph.D., Metallurgy, 1965	University of Denver Denver, Colorado
M.S., Metallurgical Engineering, 1962	Washington University St. Louis, Missouri
B.S., Metallurgical Engineering, 1961	Washington University St. Louis, Missouri

**CURRENT RESEARCH ACTIVITIES**

Failure analysis of metallurgical and mechanical systems based on metallurgical evidence, analysis and synthesis. Environmental effects related to material degradation and failure in metallic and non-metallic materials. Scanning electron microscopy as applied to micro-fractography, surface chemical analysis, crack life prediction, and material characterization. Materials evaluation, selection, and improvement as applied to industrial processes and consumer products.

**PROFESSIONAL EXPERIENCE**

<b>J.E.I. Metallurgical, Inc.</b> Dallas, Texas President	Jun 1990-Present
<b>Jerner Engineering, Inc.</b> Norman, Oklahoma President	Jan 1988-Dec 1995
<b>Engineering and Materials Technology Corporation (EMTEC Corp.)</b> Norman, Oklahoma Senior Professional Staff Member	Apr 1987-Dec 1987
<b>Engineering and Materials Technology Corporation (EMTEC Corp.)</b> Norman, Oklahoma President and Senior Professional Staff Member	Jan 1979-Mar 1987

**United States Department of Transportation**

1973-1978

Transportation Safety Institute

Oklahoma City, Oklahoma

Associate Staff Member/Model Instructor for motor carrier, railroad, hazardous materials, aircraft and marine accident investigation.

**S.W. Metallurgical Consultants, Inc.**

1973-1979

Norman, Oklahoma

President and Senior Professional Staff Member

**University of Oklahoma**

1965-1978

Norman, Oklahoma

College of Engineering

Adjunct Professor of Chemical Engineering &amp; Materials Science

1976-1978

Associate Professor of Engineering &amp; Materials Science

1972-1976 (Tenured)

Assistant Dean of Engineering

1971-1972 (Tenured)

Assistant Dean of Graduate College

1971-1972

Associate Professor of Engineering

1969-1970 (Tenured)

Assistant Professor of Metallurgical Engineering

1965-1969

Courses taught at the University of Oklahoma: Structure and Properties of Materials, Physical Metallurgy, Materials Selection and Failure Analysis, Metallurgical Engineering Laboratory, Metallurgical Engineering Thermodynamics, Electronic Processes in Materials, Vacuum Metallurgy, Special Metallurgical Problems Laboratory, Advanced X-Ray Metallography, Seminar in Physical Metallurgy, Introduction to Engineering Thermodynamics

**University of Denver Research Institute**

1962 - 1965

Metallurgy Division

Denver, Colorado

Research Associate in Metallurgy Division - NASA Fellowship

**Washington University**

1961-1962

St. Louis, Missouri

Teaching Assistant in Metallurgical Engineering

## **HONORS/HONORARY**

Alpha Sigma Mu (Metallurgical)

Listed in "Best Lawyers in America- Directory of Experts"

Standard Oil of Indiana Award for Excellence in Undergraduate Instruction,  
University of Oklahoma

## **PROFESSIONAL MEMBERSHIPS**

### **Professional**

- American Institute of Mining, Metallurgical & Petroleum Engineers (AIME), Oklahoma Chairman 1970, 1975
- American Society for Testing and Materials (ASTM), Member since 1978
- American Welding Society (AWS), Member since 1995
- ASM International, Member since 1960, Chairman of Central Oklahoma Chapter 1970, 1975
- Forensic Expert Witness Association (FEWA), Member since 2009
- National Association of Corrosion Engineers (NACE), Member since 1987
- National Society of Professional Engineers (NSPE), Member since 1977
- Oklahoma Society of Professional Engineers (OSPE), Member since 1977
- Society of Manufacturing Engineers (SME), Life Member
- Texas Society of Professional Engineers (TSPE), Member since 1993
- The Minerals, Metals & Materials Society (TMS), Member since 2011
- National Fire Protection Association (NFPA), Member since 2011

### **Professional Engineer Registrations**

Registered Professional Engineer (Metallurgical Engineer), State of Oklahoma, No.10618

Registered Professional Engineer, (Metallurgical Engineer), State of Texas, No. 74091

## **PROFESSIONAL ACTIVITIES**

Short Course Lecturer, "*Metallurgy for Engineers*", OCCE, 1966 - 1976

Invited Speaker, "*Growth of Metallurgical Engineering at the University of Oklahoma*",  
Central Oklahoma Chapter ASM, 1969

Short Course Lecturer, "*Fundamentals of Welding Metallurgy*", Central Oklahoma Chapter ASM, 1969 and 1972

Short Course Lecturer, OCCE, "*Corrosion: Fundamentals*", 1971 - 1976

Invited Speaker, "*Fast-Draw Failure Analysis*", North Texas Chapter ASM 1977; Tulsa Chap. of ASM 1978; Central OK Chap. of NACE, 1978; Central OK Chap. AWS, 1978; Wichita, KS Chap. ASM, 1978; Tulsa Chap. ASNT, 1978; Tulsa Chap. ASME, 1979; Central OK Chap. ASME, 1979; Tulsa Chap. AWS, 1979

Invited Paper, *"Evaluating Metallurgical Evidence in Violent Vehicle Accidents"*, the National Symposium of American Academy of Forensic Sciences, St. Louis, Missouri, 1978

Invited Speaker, *"Investigation of Ranger One Collapse - Metallurgical and Fracture Analysis"*, 12th Annual Offshore Technology Conference, 1980

Invited Speaker, *"Investigation of Ranger One Collapse - Metallurgical and Fracture Analysis"*, Tulsa Chapter ASQC, 1980; Wichita, Kansas Chapter ASQC, 1980; Central Oklahoma Chapter ASM, 1981

Invited Paper, *"Legal Investigations - The Eye of the Beholder"*, Scanning Electron Microscopy Symposium, 1981

Seminar Instructor, *"Principles of Accident Investigation"*, sponsored by EMTEC Corp., Norman, Oklahoma, 1982

Seminar Instructor, *"Failure Analysis and Accident Investigation"*, sponsored by Wichita Chapter of ASM, Wichita, Kansas, 1986

Seminar Instructor, *"Failure Analysis"*, sponsored by Tulsa Chapter of ASM, Tulsa, Oklahoma, 1987

Invited Speaker, *"What Do ASTM Standards Really Require?"* Central Oklahoma Chapter of American Welding Society, 1987

Invited Speaker, *"Expert View of Litigation Process"*, ASM International, Tulsa Chapter, 1992

Invited Speaker, *"Is it a Question of Ethics?"* ASM International, Tulsa Chapter, 1996

Invited Speaker, *"Metallurgical Failure Analysis"*, ASM International, Edmonton, Alberta, Canada Chapter, February, 2006

Invited Speaker, *"When an Accident Happens...Don't"*, International Pressure Equipment Integrity Association, (IPEIA), Banff, Canada, February, 2007

Invited Speaker, *"The Excellent Expert Report: The Complex Case"*, SEAK 21<sup>st</sup> Annual Expert Witness Conference, Cape Cod, MA, August, 2012

## **PUBLICATIONS**

*"Corrosion of Polycrystalline Copper as a Function of Preferred Orientation"*, M.S. Thesis, Washington University (1962)

*"Thermionic Properties of Polycrystalline Zirconium, Beryllium and Selected Zirconium Beryllides"*, Ph.D. Dissertation, University of Denver (1965)

*"The Growth of Gadolinium Single Crystals"*, M.S. Thesis, Tzay-Chen Shen, University of Oklahoma (1969)

*"Thermionic Emission Characteristics of Polycrystalline Zirconium"*, M.S. Thesis, J. W. Raper, University of Oklahoma (1969)

*"The Effect of Firing Temperature on the Mechanical Properties of Steatite and Pyrophyllite"*, M.S. Thesis, Joe B. Kersey, University of Oklahoma (1970)

*"Auger Electron Spectroscopy of the Lanthanide Rare Earth Elements"*, a Ph.D. Dissertation, Kenneth P. Maddox, University of Oklahoma (1972)

*"Investigation of the Characteristics of Intermetallic Compounds as Thermionic Emitters"*, with C. B. Magee, DRI-2137 (1963)

*"Investigation of the Microstructure and Mechanical Properties of 2020X Aluminum Alloy"*, with R. D. Daniels, North American Aviation (1966)

*"Correlation of Superconducting Properties with Surface Properties in Both Thin Film and Bulk Superconductors"*, AFSC/WPAFB, Interim Report I (1973); Interim Report II (1974); Interim Report III (1975), Final Report (1976)

*"Metallurgical and Fracture Analysis of Wreckage from Ranger I"*, with Stan Rolfe, Ph.D., P.E., John A. Harcourt and Charles W. Powell, U.S. Coast Guard (1979)

*"Evaluation of Metallurgical Evidence Recovered Near the Site of the Collision of the USCGC 'Blackthorn' and the S.S. 'Capricorn'"* (1980)

*"Breakup of the S.S. MARINE ELECTRIC off of Chincoteague, VA"* with Stan Rolfe, Ph.D., P.E., for National Transportation Safety Board AI-60 (1984)

*"Report of Findings of 12-inch Stainless Steel A312 Pipeline"*, U.S. Army Corp. of Engineers Contract DACA63-88-M-0216 (1988)

*"Extension of Cyclic Hydrostatic Testing For Failure Analysis"*, U.S. Army Corp. of Engineers Contract #DACA63-85-C-0185 (1988)

## **PAPERS**

*"Effect of Surface Oxidation on the Thermionic Work Function of Beryllium"* with C. B. Magee, Oxidation of Metals, 2, No. 1, pp. 1-9 (1970)

*"On Interesting Students in Metallurgical Engineering - A Successful Approach"*, Journal of Metals, 22, No. 8, pp. 54-58 (1970)

*"On Interesting High School Students in Metallurgical Engineering - A Successful Approach"*, Proceedings of II Inter-American Conference on Materials Technology, Mexico City, Mexico, pp. 84-87 (August 1970)

*"Effect of Firing Temperature on Properties of Natural Steatite and Pyrophyllite"*, with J. B. Kersey, Journal of Material Science, 7, pp. 621-626 (1972)

*"Surface Concentration of Molybdenum in Type 316 and 304 Stainless Steel by Auger Electron Spectroscopy"* with G. J. Barnes and A.W. Aldag, Journal of Electrochemical Society, 199, pp. 684-686 (1972)

*"Chemical Profile Analysis of Selected Stainless Steel Alloys by Auger Spectroscopy"*, with G. J. Barnes and A.W. Aldag, Proceedings of Oklahoma Academy of Science, 53, pp. 78-80 (1973)

*"Prediction of Impurity Concentration Distributions in Heat Treated Metals"*, with K. E. Starling and D. Neskora, Proceedings of Oklahoma Academy of Science (1975)

*"Quantitative Surface Profilometry Applied to Sputter Ion Bombarded Sapphire"*, with C. Pellerin, J. Christensen and J. Peavey, Journal of Vacuum Science Technology, Vol. 12, pp. 135-139 (1975)

*"Solution of Laue Back Reflection Patterns of Sapphire Crystals Using a Computer Technique"*, with Cyril Anazia, Chang-OU Lee, James H. Christensen and Jerris H. Peavey, Metallurgical Transactions, Vol. 6A, pp. 1751-1753 (1975)

*"Metallurgical and Fracture Analysis of Wreckage from Ranger I"*, with John A. Harcourt and Charles W. Powell, Proceedings of 12th Annual Offshore Technology Conference, Vol. II, pp. 59-70 (1980)

*"Reducing Claims/Settlement Costs Through Fast Response Accident Investigation"*, Risk Management Magazine (1992)

## **RESEARCH GRANTS AND CONTRACTS**

*"Enhanced Low Field Thermionic Emission"*, National Science Foundation, NSF Grant #GK-859, \$20,000 (1966)

*"Investigation of Mechanical Properties of 2020X Aluminum Alloy"*, North American Aviation, \$7,000 (Summer 1966)

*"Scientific Research Equipment - Leak Detector and Monopole Gas Analyzer"*, National Science Foundation and General Electric Company, \$29,400 (1967)

*"Thermionic Studies of Rare Earth Elements"*, National Aeronautics and Space Administration NASA Grant NGL 003-016, Project 1561-8, \$38,600 (1967-1970)

*"Cold Welding Technique for Constructing Semi-Conductor Devices"*, University of Oklahoma Research Institute and Alumni Development Fund Grants #111-494 & 3-421, \$10,800 (1970-1971)

*"Scientific Research Equipment - Auger Electron Spectrometer"*, National Science Foundation, NSF Grant #GK-29419, \$12,300 (1971-1972)

*"Cylindrical Mirror Electron Energy Analyzer"*, University of Oklahoma Research Institute Grant #1668-20, \$7,900 (1970-1971).

*"Undergraduate Research Participation in Materials Science"*, National Science Foundation, NSF Grant #GY-5929, \$10,400 (Summer 1969)

*"Undergraduate Instructional Equipment X-Ray Diffractometer"*, National Science Foundation and General Electric Company, NSF Grant #GY-6649 and General Electric Company \$37,400 (1969-1971)

*"Undergraduate Research Participation in Materials Science"*, National Science Foundation, NSF Grant #GY-7458, \$11,680 (Summer 1970)

*"Undergraduate Research Participation in Materials Science"*, National Science Foundation, NSF Grant #GY-8964, \$23,200, (1971-1974)

*"Undergraduate Research Participation in Materials Science"*, National Science Foundation, NSF Grant #GY-9984, \$17,600 (Summer 1973)

*"Correlation of Superconducting Properties with Surface Properties in Both Thin Film and Bulk Superconductors"*, Air Force Systems Command Wright Patterson Air Force Base, Contract F33615-73-C5049, \$83,500 (1973-1975)

*"Metallurgical and Fracture Analysis of Wreckage from Ranger I"*, U.S. Coast Guard Marine Board of Investigation, (1979)

*"Evaluation of Metallurgical Evidence Recovered Near the Site of the Collision of the USCGC 'Blackthorn' and the S.S. 'Capricorn'"*, U.S. Coast Guard Marine Board of Investigation (1980)

*"Breakup of the S.S. MARINE ELECTRIC off of Chincoteague, VA"*, National Transportation Safety Board AI-60, (1984)

*"Report of Findings of 12-inch Stainless Steel A312 Pipeline"*, U.S. Army Corp. of Engineers Contract DACA63-88-M-0216 (1988)

*"Extension of Cyclic Hydrostatic Testing For Failure Analysis"*, U.S. Army Corp. of Engineers Contract DACA63-85-C-0185 (1988)

*"U.S. Department of Labor vs. Austin Commercial"*, U.S. Department of Labor (1999)

*"Secretary of Labor vs. Murphy Enterprises, Inc."*, U.S. Department of Labor, OSHA (2000)

*"C.C. Forbes Co. Rig 109 Accident Ward Co., TX"*, U.S. Department of Labor, OSHA (2008)

*"Austin Scaffolding Failure"*, U.S. Department of Labor, OSHA (2009)



## **INDUSTRIAL/GOVERNMENT CLIENT LIST\***

Air Liquide America Corp., TX  
Anschutz Corporation, CO  
An-Son Corporation, OK  
Baker Torqmaster, OK  
Barton Valve, OK  
Beech Aircraft Corporation, KS  
Big Three Industries, TX  
Capstar Drilling, WY  
Central and Southwest, TX  
Cessna Fluid Power, KS  
City of Clinton, OK  
CMI Corporation, OK  
Contrack International, Afghanistan  
Coufal-Prater Equipment, TX  
Crosby Group Laboratories, OK  
Cudd Drilling & Measurements, TX  
Dallas Hermetic Air Conditioning, TX  
Doyon Drilling, AK  
DHS Drilling, WY  
Eby Construction Corporation, CO  
Exxon Corporation, OK  
Farmland Industries, IL  
Gates LearJet Corporation, KS  
General Motors Assembly, OK  
General Motors Corporation, OK  
Genesis Crude Oil, MS  
Gulfstream Aerospace Corporation, OK  
Gulfstream American Corporation, OK  
Hardees, OK  
Helmerich & Payne, OK  
Hendershot Tool, OK  
Hertz Corporation, OK  
HD Supply, FL  
Israel Aircraft, OK  
John Soules Foods, TX  
Kelco, Inc., OK  
Kerr-McGee Corporation, OK  
Kirby Petroleum Exploration, OK  
KN Pipeline, CO  
Larco Mining & Metal of Larymna, Athens, Greece  
Lee Way Motor Freight, OK  
Liberty Glass Company, OK  
Lide Industries, TX  
Mercer Well Service, TX  
Schindler Elevator Corp., CA  
SPX DP Thermal, South Africa  
Mapco, OK  
Marathon Battery, TX  
Meridian Oil, TX  
Mistletoe Express, OK  
Mitsubishi Aircraft Int'l, TX  
N.L. Acme Pipe, ND  
Nolan Systems, CO  
Oak Grove Resources, AL  
Oklahoma City Water Department, OK  
Otex Chemical, OK  
Perot Systems, TX  
Petroleum Resources, OK  
Pride Oilfield Services, TX  
Public Service Co. of Oklahoma, OK  
Schlumberger Well Service, OK  
Southwestern Bell, OK  
State of Idaho, ID  
Texaco Oil & Gas, OK  
The Benham Group, OK  
TOTCO, OK  
Towner Petroleum, TX  
Trailmobile Company, OK  
Universal Resources, TX  
U.S. Air Force Tinker Air Force Base, OK  
U.S. Army Pine Bluff Arsenal, AR  
U.S. Army Corps of Engineers, TX  
U.S. Army Corps of Engineers Lab, TX  
U.S. Department of Labor, TX  
U.S. Tubular, OH  
Vanply, LA  
Westinghouse Corporation, OK  
Will Rogers Airport Authority, OK  
Williams Brothers Engineering, OK  
Xerox Corporation, OK

\* Complete list of Industrial/Government Clients available upon request

## **EXPERT INVESTIGATIONS**

**Public Leasing Corporation vs. Mack Truck** (1971) metallurgical accident investigation of an aluminum casting failure resulting in tractor trailer accident.

**Archer vs. Elliot Manufacturing** (1972) metallurgical accident investigation of a hydraulic cylinder weld failure and collapse of a high lift cherry picker.

**R.L. Keown vs. King Seely** (1972) metallurgical accident investigation of a defective lantern valve and lantern explosion.

**Gravitt vs. Chrysler Corp.** (1972) metallurgical investigation of steering gear failure resulting in automobile accident.

**Crittenden vs. Kent-Moore Tool** (1972) metallurgical accident investigation of staking tool chipping resulting in loss of vision.

**Metallurgical evaluation for St. Paul Insurance Co.** (1972) automotive accident investigation of armored car wheel lug fatigue failure causing separation of the wheel resulting in a rollover accident.

**L.D. Boyd vs. International Harvester** (1972) metallurgical investigation of king pin failure resulting in loss of steering.

**Jerry Reams vs. Plumb Co.** (1972) metallurgical accident investigation of chipping from the head of a claw hammer that caused loss of vision.

**J.L. Norton vs. Cotton Electric Corp.** (1972) accident investigation and metallurgical failure analysis of transmission line pole insulator tie failure.

**Rouse vs. International Harvester** (1972) metallurgical accident investigation of a king pin failure resulting in loss of truck steering.

**Capshaw vs. Westinghouse Air Brake** (1972-213) metallurgical accident investigation of heavy equipment axle failure.

**Kilgore vs. General Fire Extinguisher** (1972-214) accident investigation and metallurgical failure analysis of cause of corrosion resulting in discharge of stainless steel fire extinguisher.

**Metallurgical evaluation for St. Paul Insurance Co.** (1972) metallurgical failure analysis of motorboat steering bolt fatigue failure causing loss of steering.

**Pittinger vs. Hearn** (1972) accident investigation and metallurgical failure analysis of sintered brass in relation to defective product failure.

**Home Insurance Co. vs. William Automatic Sprinkler** (1972) metallurgical accident investigation of valve failure of sprinkler system check valve resulting in discharge of sprinkler system.

**Turner vs. Toyota Motor Car** (1972-218) metallurgical accident investigation of automobile rear axle failure and possible cause of rollover accident.

**Cimarron Industries vs. Public Leasing Corp.** (1973) metallurgical accident investigation of failure on defective aluminum castings resulting in tractor trailer accident.

**Forensic accident investigation for Royal Globe Insurance Co.** (1973) metallurgical analysis and accident investigation of truck frame failure as a result of improper welding.

**A. C. Hoyle vs. Superior Welding** (1973) metallurgical accident investigation of a welded structure failure.

**Drewery vs. Rockwell Manufacturing** (1973) accident investigation and metallurgical failure analysis of truck spring failure and alleged steering problem resulting in a truck accident.

**Benna vs. Page Airmotive** (1973-305) accident investigation and metallurgical failure analysis of aircraft engine failure and relation to aircraft accident.

**Meyer vs. Freightliner** (1973-306) accident investigation and metallurgical failure analysis of truck radius rod failure.

**U.S. Mags vs. Home Indemnity** (1973-308) investigation of an automobile magnesium rim failure and effect on automobile accident.

**Martin Sprocket vs. McDonald Gear** (1973) accident investigation and metallurgical failure analysis of alleged gear failure and heavy equipment accident.

**Price vs. Utilities Equipment** (1973-310) accident investigation and metallurgical failure analysis of hydraulic cylinder failure and collapse of cherry picker arm.

**Casteel vs. Sooner Supply** (1973-311) accident investigation and metallurgical failure analysis of oxygen cylinder explosion resulting from liquid natural gas contamination.

**Nolen vs. Taylor Chain** (1973) accident investigation and metallurgical failure analysis of defectively welded chain.

**Associated Aviation vs. Lycoming** (1974) metallurgical accident investigation of aircraft engine failure and resulting aircraft accident.

**Banks vs. General Motors** (1974-40304) metallurgical accident investigation of truck spring failure resulting in loss of steering leading to truck accident.

**Metallurgical evaluation for Associated Aviation Underwriters** (1974) accident investigation of aircraft landing gear housing failure.

**Merrill vs. McKaig** (1974) Forensic accident investigation for Employer's Casualty Co. of truck tie rod failure and truck accident.

**Fanning vs. Sears** (1974-40502) metallurgical accident investigation of punch tool chipping failure resulting in loss of vision.

**Keen vs. United States** (1974-40503) metallurgical accident investigation of jet engine failure in a military aircraft accident.

**Santa Fe Railroad vs. Gulf Insurance** (1974-40601) accident investigation and metallurgical failure analysis of railroad accident resulting in train derailment.

**Roos vs. Werner Ladder Co.** (1974) accident investigation and metallurgical failure analysis of alleged stepladder failure.

**Woodall vs. Honda** (1974-40701) accident investigation and metallurgical failure analysis of alleged motorcycle brake failure resulting in motorcycle accident.

**Giles vs. City Springs** (1974-40801) accident investigation and metallurgical failure analysis of tractor trailer steering failure resulting in an accident.

**Lamb vs. Acme Tool** (1974-40402) metallurgical accident investigation of down-hole oil well equipment failure.

**Brock vs. Ellex Transport Co.** (1974-40805) Forensic accident investigation of truck fifth-wheel failure and alleged trailer separation.

**Guthrie vs. Vendo Machine** (1974-40807) metallurgical accident investigation of vending machine hinge fatigue failure.

**Metallurgical evaluation for Tulsa Produce Co.** (1974-41001) investigation of natural gas pipeline leak and building explosion.

**Metallurgical evaluation for Kerr-McGee** (1974-41002) investigation of failed pipe in oil collecting system as a result of corrosion.

**McClure vs. City of Seminole** (1974-41104) metallurgical accident investigation of gas pipeline failure and natural gas explosion.

**Lee vs. Continental Can** (1974-41103) accident investigation and metallurgical failure analysis of corroded block sealer containers and can explosion.

**Metallurgical evaluation for Farmers Insurance** (1974-41105) metallurgical investigation and failure analysis of broken oil field equipment lifting hook.

**Metallurgical evaluation for Alliance Insurance** (1974-41108) metallurgical investigation of gasoline explosion resulting from alleged defective service station fuel pump valve.

**Metallurgical evaluation for Claims Management Corp.** (1974-41109) investigation of natural gas engine cover plate failure resulting in natural gas compressor explosion.

**Jones vs. Freightliner** (1974-41201) metallurgical accident investigation of truck wheel rim failure and tractor trailer accident.

**Bridges vs. Enterpoint Corp.** (1975-50101) Forensic accident investigation for Hartford Insurance Co. of truck wheel lugs failure resulting in separation of wheel from tractor trailer.

**Metallurgical evaluation for Universal Claims Service** (1975-50102) investigation of effect of bus leaf spring failure on steering accident.

**Yon vs. Winchester** (1975-50103) metallurgical accident investigation of discharge of a shotgun resulting from manufacturing defect.

**Metallurgical evaluation for Hanover Insurance Co.** (1975-50201) metallurgical investigation and failure analysis of hot water tank explosion.

**Metallurgical evaluation for Transport Indemnity** (1975-50204) investigation of truck steering kingpin failure on Bekins moving truck resulting in tractor trailer accident.

**Hulsey vs. 7-Up Bottling Co.** (1975-50601) Forensic accident investigation of truck brake line failure.

**Sebald vs. Bell Helicopter & Allison Div. of General Motors Corp.** (1975-50704) metallurgical accident investigation of jet engine blade failure.

**LaCoste, Lovett vs. Allegheny Ludlum Steel Corp.** (1975-50905) accident investigation and metallurgical failure analysis of Chinook helicopter spiral bevel gear failure resulting in fatal helicopter accident.

**Pollard vs. McDonough** (1975-50202) metallurgical accident investigation of hammer and ax tool chipping causing loss of vision.

**Cantwell & Rozell vs. Chrysler Corp.** (1975-50205) accident investigation and metallurgical failure analysis of alleged wheel bearing failure resulting in accident.

**Taylor vs. Heller Tool Co.** (1975-50206) accident investigation and metallurgical failure analysis of hammer chipping failure resulting in loss of vision.

**Oklahoma City vs. Boyes** (1975-50401) accident investigation and metallurgical failure analysis of abrasions on automobile trunk.

**Metallurgical evaluation for Universal Claims** (1975-50403) investigation of explosion and mobile home fire.

**Laughlin vs. Western Auto Supply Co., General Motors Corp., J.C. Penney Co., Kelly Springfield Tire Co.** (1975-50602) accident investigation and metallurgical failure analysis of automobile ball joint failure and tire blowout.

**Keith vs. Childress Oil Co.** (1975-50703) forensic accident investigation of truck distributor cap debris after an engine fire.

**Metallurgical evaluation for Universal Claims** (1975-50801) accident investigation and failure analysis of a propane gas leak and explosion resulting in a residential fire in Poteau, Oklahoma.

**Corbett vs. Sears Roebuck & Co. & Western Forge Corp.** (1975-50806) metallurgical accident investigation of drive pin tool chipping failure resulting in a loss of vision.

**Failure analysis for Accident Reconstruction Lab, Dallas, Texas** (1975-51007) investigation of a truck fifth-wheel welded bracket failure.

**Hall vs. Big Three Industries** (1975-50906) accident investigation and metallurgical failure analysis of acetylene cylinder failure resulting in tank explosion.

**Burks vs. Freightliner Corp.** (1975-51005) metallurgical accident investigation and root cause failure analysis of truck engine mount failure.

**England vs. American Gauge** (1975-51001) metallurgical accident investigation and root cause failure analysis in portable fence come-along and wire stretcher forging deficiency.

**Wilson vs. Sears Roebuck & Co.** (1975-51002) metallurgical accident investigation and root cause failure analysis of a defective drive pin punch tool chipping failure resulting in loss of vision.

**Grego vs. General Motors** (1975-51003) metallurgical accident investigation and root cause failure analysis of an automotive bumper jack failure.

**Conner vs. Winchester Arms** (1975-51209) metallurgical accident investigation and root cause failure analysis of shotgun hammer and trigger material failure resulting from improper heat treatment.

**Metallurgical evaluation for Chevron Oil Co.** (1975-51202) accident investigation of a drill pipe failure and relation to oil field accident.

**Failure analysis for Askew Associates, Inc.** (1975-51206) metallurgical investigation of an airplane propeller failure and contribution to aircraft accident.

**Miles vs. Bell Helicopter** (1976-60301) Forensic accident investigation of helicopter aluminum push-pull tube and its relation to a helicopter accident.

**Miller vs. Pioneer Gas** (1976-60203) Forensic accident investigation of an oxygen cylinder explosion as a result of gas cylinder contamination.

**Edmonson vs. Bell Helicopter Corp.** (1976-60205) metallurgical accident investigation and root cause failure analysis of helicopter accident resulting from spherical spline coupling failure.

**Oxley vs. Big Chief** (1976) metallurgical accident investigation and root cause failure analysis of a drill pipe failure and resulting oilfield accident.

**Smedley vs. Waco of Oklahoma** (1976-60302) accident investigation and metallurgical failure analysis of alleged scaffolding system failure.

**Watts vs. Ridge Tool Co.** (1976) metallurgical accident investigation and root cause failure analysis of pipe wrench failure.

**Oklahoma Flower Market vs. Scott Chevrolet** (1976-60307) consultant to Employer's Casualty Co. of truck brake line failure.

**Simon vs. Land & Marine Rental Co.** (1976) Forensic accident investigation of drill pipe failure and cause of off shore oil rig accident.

**Dyco Petroleum Corp. vs. Rucker Co.** (1976-60504) metallurgical accident investigation and root cause failure analysis of drill pipe failure.

**Shelton vs. Remington Arms** (1976-60505) accident investigation and metallurgical failure analysis of shotgun explosion.

**Lyles vs. American Hoist & Derrick** (1976-60506) accident investigation and metallurgical failure analysis of oil field accident resulting from steel cable failure.

**Dearmore vs. Montgomery Ward** (1976-60507) accident investigation and metallurgical failure analysis of air compressor tank failure and resulting in an explosion of the air tank.

**Hess Oil Virgin Island Corp. vs. Ward Industries Pipe Fabricating** (1976-60603) accident investigation and metallurgical failure analysis of welded piping component failure in refinery resulting in an explosion and refinery equipment fire.

**Turpin vs. Ford Motor Co.** (1976-60604) metallurgical accident investigation and root cause failure analysis of truck steering linkage failure.

**Schoonover vs. International Harvester** (1976-60802) metallurgical accident investigation and root cause failure analysis of tractor trailer steering gear failure.

**Hein vs. Brown Stove Works, Inc.** (1976-60803) accident investigation and metallurgical failure analysis of gas cooking stove aluminum tube failure resulting in explosion and fire.

**Filson vs. Phillips Petroleum Co.** (1976-60902) metallurgical accident investigation and root cause failure analysis of gas pipeline corrosion.

**American Hotels vs. Big Three Industries** (1976-60904) accident investigation and metallurgical failure analysis of acetylene cylinder explosion.

**Engineering Report for Hanover Insurance Co.** (1976-61102) investigation of hoop rod failures in collapse of farm silo.

**Hayden vs. Ford Motor Co.** (1976-61101) metallurgical accident investigation and root cause failure analysis of bearing failure.

**Hall vs. Browning Arms** (1976-61104) accident investigation and metallurgical failure analysis of bicycle rim weld failure.

**Metallurgical evaluation for General Adjustment Bureau** (1977-70201) evaluation of truck spring bracket weld failure resulting in truck accident.

**Eaglebarger vs. Harley Davidson Motor Co.** (1977-70302) accident investigation and metallurgical failure analysis of motorcycle spoke failure resulting in motorcycle accident.

**Metallurgical evaluation for MFA Insurance Co.** (1977-70105) evaluation of ring mounting failure resulting in loss of diamond.

**Failure Evaluation** (1977-70307) of a chair weld failure and resulting collapse of chair.

**Carnes vs. Freightliner** (1977-70403) metallurgical accident investigation and root cause failure analysis of defective truck steering axle hub failure.

**Hawkins vs. Otasco** (1977-70408) Forensic accident investigation for insurer of magnesium wheel failure.

**Bodard & Hale Drilling vs. Wheeling Pittsburgh Steel** (1977-70409) accident investigation and metallurgical failure analysis of drill pipe failure as a result of corrosion fatigue.

**Shumacher vs. Mitsubishi** (1977) accident investigation and metallurgical failure analysis of the cause of MU-2 Aircraft accident.

**Failure analysis and evaluation** (1977-704012) for an investigation of oil field high pressure mud system fittings failure.

**Mantone vs. Fruehauf** (1977-70501) accident investigation and metallurgical failure analysis of a truck accident.

**Metallurgical evaluation for Liberty Mutual Insurance Co.** (1977-70607) evaluation of a grinding disc failure.

**Blehm vs. Floyd's Campers** (1977-70608) accident investigation and metallurgical failure analysis of camper jack failure.

**Monk vs. Fruehauf** (1977-70705) accident investigation and metallurgical failure analysis of collapsed tractor trailer wheel jack.

**Saurbry vs. Arden Drilling** (1977-70706) metallurgical accident investigation and root cause failure analysis of lifting eye failure resulting in oil field accident.

**Inexco vs. Shebester of Hennessey** (1977-70707) accident investigation and metallurgical failure analysis of slip-damaged drill pipe resulting in drill pipe separation and loss of oil well.

**King vs. White Freightliner** (1977-70709) metallurgical accident investigation and root cause failure analysis of truck brake failure resulting in tractor trailer accident.

**Babcock vs. Hertz** (1977-70710) accident investigation and metallurgical failure analysis of truck brake failure resulting in accident.

**Metallurgical evaluation for Acme-Rucker** (1977-70711) investigation of a drill pipe washout and separation of drill pipe string.

**Metallurgical evaluation for Acme-Rucker** (1977-70712) investigation of longitudinal split drill pipe failure.

**Failure Investigation** (1977-70800) of tie rod failure that resulted in an automobile accident.

**Kidd vs. O'Neal Tank Co.** (1977-70806) accident investigation and metallurgical failure analysis of oilfield tank valve failure.

**Failure analysis** (1977-70908) metallurgical investigation of hydraulic truck bed hoist weld failure resulting in dump truck accident.

**Metallurgical Evaluation** (1977-70911) concerning Mazda automobile seat frame failure resulting in personal injury to the driver.

**Mitchell vs. Hughes Aircraft** (1977-71006) metallurgical accident investigation and root cause failure analysis of helicopter rear rotor bolt failure resulting in helicopter accident.

**Hoffman vs. Cummings Engine** (1977-71007) metallurgical accident investigation and root cause failure analysis of truck engine bearing failure.

**Fields vs. American Hoist & Derrick** (1977-71012) accident investigation and metallurgical failure analysis of oilfield drilling derrick collapse.

**Johnson vs. Walker-Neer Mfg.** (1977-71106) accident investigation and metallurgical failure analysis of oilfield drilling rig collapse.

**Wilson vs. Kawasaki** (1977-71107) accident investigation and metallurgical failure analysis of motorcycle spoke and tire failure resulting in motorcycle accident.



**Failure analysis** (1977-71108) of metal sparking and gasoline fire and explosion at a service station.

**Ludtke vs. Otasco** (1977-71115) accident investigation and metallurgical failure analysis of hammer chipping failure resulting in loss of vision.

**Smith vs. Allied Supermarkets** (1977-71208) accident investigation and metallurgical failure analysis of damage in truck and automobile collision.

**Brennan vs. Teledyne Wisconsin Motors** (1977-71210) accident investigation and metallurgical failure analysis of fly wheel disintegration.

**Bird Oil Equity vs. Richard Long** (1978-80101) metallurgical accident investigation and root cause failure analysis of gas pipeline pitting corrosion.

**Loomis vs. American Hoist & Derrick** (1978-80102) accident investigation and metallurgical failure analysis of oilfield rat hole rig brake failure resulting in drilling rig accident.

**Metallurgical evaluation for Hartford Insurance Co.** (1978-80107) investigation of hydraulic cylinder lifting mechanism failure resulting in collapse of cherry picker.

**Chubb & Son vs. Ford Motor Co.** (1978-80110) metallurgical accident investigation and root cause failure analysis of truck spring center bolt failure resulting in tractor trailer accident.

**Metallurgical evaluation for Oklahoma Farmers Union** (1978-80113) investigation of Stevens firearm trigger failure resulting in firearm explosion.

**Mills vs. Crane Carrier Corp.** (1978-80202) accident investigation and metallurgical failure analysis of oilfield drilling derrick mast collapse.

**Ralston Oil & Gas Co. vs. Genesco Inc.** (1978-80301) metallurgical accident investigation and root cause failure analysis of ERW welded pipe failure.

**Burrell vs. Grozier-Mann Oil Co.** (1978-80305) metallurgical accident investigation and root cause failure analysis of truck lug failure.

**Anadarko Const. vs. Aminoil** (1978-80306) accident investigation and metallurgical failure analysis of failure in a PVC plastic gas pipeline explosion during pipeline pressure testing.

**Ferguson vs. Garrett Research & Rockwell International** (1978-80307) accident investigation and metallurgical failure analysis of aircraft engine component failure causing mid-air disintegration of private jet.

**Metalsource Corp. vs. Dallas International Bank vs. Land-Air, Inc. & Gus Bowman** (1978-80313) metallurgical accident investigation and root cause failure analysis of steel bomb lug forging defects.

**Connally vs. Toyota Motor Sales** (1978-80403) accident investigation and metallurgical failure analysis of alleged Toyota automobile roof collapse.

**Moore vs. Gibson Discount Center** (1978-80404) metallurgical accident investigation and root cause failure analysis of Freon can explosion stemming from internal pitting corrosion.

**West Friona Grain vs. Allied Millwright** (1978-80408) accident investigation and metallurgical failure analysis of silo explosion resulting from sparks from alleged improper welding procedure.

**Emile P. Vead vs. Halliburton** (1978-80602) accident investigation and metallurgical failure analysis of off-shore oil drilling rig accident.

**Metallurgical evaluation for Hartford Group** (1978-80605) Forensic accident investigation of truck tire split rim ring failure resulting in tractor trailer tire explosion.

**Mustang Fuel vs. Youngstown Sheet & Tube** (1978-80611) accident investigation and metallurgical failure analysis of gas pipeline explosion resulting from alleged defective ERW weld.

**Stacy vs. Cessna & Tulsa Lease-A-Plane** (1978-80615) accident investigation and metallurgical failure analysis of Cessna 210 aircraft crash.

**Ramos vs. Union** (1978-80616) accident investigation and metallurgical failure analysis of serving equipment failure.

**Stanley Lawson vs. Willis Wells** (1978-80701) metallurgical accident investigation and root cause failure analysis of boating accident resulting from motorboat steering mechanism failure.

**Failure analysis and investigation** (1978-80806) of Hughes helicopter crash.

**Henkelman vs. Airco** (1978-80901) accident investigation and metallurgical failure analysis of fire and explosion from allegedly defective liquid oxygen pump.

**Wilkson vs. Ford Motor Co.** (1978-80905) metallurgical accident investigation and root cause failure analysis of accident involving steering failure in a Ford Landau.

**Non-destructive analysis and report** (1978-81003) of fractured torsion bar support bracket from a tractor trailer involved in an accident.

**Metallurgical evaluation for Hartford Insurance** (1978-81019) investigation of Dohrn International Truck wreckage.

**Metallurgical evaluation for Hartford Insurance** (1978-81020) investigation of concrete saw and causes of saw blade disintegration that resulted in a fatal accident.

**Metallurgical evaluation for Hartford Insurance** (1978-81022) investigation of fractured 2-5/16 inch trailer ball that resulted a trailer accident.

**M. Lewis vs. Transok Pipeline** (1978-81107) metallurgical accident investigation and root cause failure analysis of explosion of six-inch bolted cover of oil and gas pipeline valve allegedly causing a compressor station gas compressor explosion.

**Tripp vs. Rego** (1978-81111) accident investigation and metallurgical failure analysis of explosion of liquid propane gas tank explosion.

**Taylor vs. Piper** (1978-81115) accident investigation and metallurgical failure analysis and metallurgical analysis of fatal Piper Comanche aircraft accident.

**Metallurgical evaluation for Kirby Exploration Co.** (1978-81203) metallurgical and failure analysis of failed non-rotating polishing mandrel.

**Jackson vs. Fletcher** (1978-81210) forensic accident investigation of an International tractor trailer involved in an accident.

**Examination of Maverick Head Lamps** (1979-90101) forensic accident investigation for insurer of light bulb filament evidence resulting from automobile collision.

**Metallurgical evaluation for CNA Insurance** (1979-90103) investigation of Peterbilt truck diesel engine rod failure.

**Metallurgical Investigation** (1979-90207) of a bolt failure at power plant resulting in collapse of a stairway railing.

**Metallurgical evaluation for UEC Manufacturing Co.** (1979-J90306) investigation of UEC skyjacker welded bracket failure and collapse of cherry picker.

**Pearson vs. Litton Systems** (1979-90321) accident investigation and metallurgical failure analysis of transmission gear failure resulting in a helicopter crash.

**Headlamp Inspection** (1979-90401) accident investigation and metallurgical failure analysis of motorcycle headlamp to determine the filament condition at time of impact.

**Utzman vs. Bethany Boat** (1979-90403) metallurgical accident investigation and root cause failure analysis of a boat trailer tongue separation and impact with approaching vehicle.

**Failure analysis and report** (1979-90405) investigation of gas compressor babbitt bearing failures at compressor processing plant.

**Metallurgical evaluation for Underwriter's Adjusting Co.** (1979-90406) investigation of truck trailer leaf spring failure from pipe supply inspection trailer accident.

**Metallurgical evaluation for Moran Brothers Energy, Inc.** (1979-90407) analysis of five-inch Grade E drill pipe failure.

**Phillips & Linder vs. Teledyne Continental Engine** (1979-90412) accident investigation and metallurgical failure analysis of aircraft engine cylinder flange hold-down stud failure and effect on resulting aircraft engine failure.

**Forensic accident investigation for USF&G** (1979-90501) evaluation of Craftsman drive pin punch involved in industrial accident resulting in user's loss of vision.

**Mastercraft vs. Mitsubishi** (1979-90506) Forensic accident investigation of MU-276-N321MA aircraft accident.

**Forensic accident investigation for CEC Drilling** (1979-90507) investigation of failed drill pipe.

**Ranger I Collapse** (1979-90510) Forensic accident investigation for U.S. Coast Guard of the collapse of off-shore drilling rig resulting from weldment failure.

**Metallurgical evaluation for Hartford Insurance Co.** (1979-90613) concerning the failure of a Geosource hook assembly.

**Forensic accident investigation for Tooltec, Inc.** (1979-90722) of drill pipe failure.

**Investigation** (1979-90804) of steering mechanism of vehicle involved in one-vehicle accident.

**Metallurgical evaluation for GAB Business Services, Inc.** (1979-90813) fracture analysis of mechanical winch pin failure.

**Boos vs. Oklahoma Disposal** (1979-90834) accident investigation and metallurgical failure analysis of design and modification of refuse compactor.

**Crosslands A&A vs. Hinkle/McCoy** (1979-90915) Forensic accident investigation for insurer in accident involving a towing bar weld.

**Metallurgical evaluation for Western Claims, Inc.** (1979-91002) investigation of explosion and fractured gas lines from wall mounted gas heater.

**Forensic accident investigation for Mendes and Mount** (1979-91003) inspection and tear down of Continental aircraft engine.

**Metallurgical evaluation for Moran Brothers** (1979-91016) examination, testing and failure analysis of four-foot box tool joint.

**Metallurgical evaluation for Western Claims** (1980-00102) investigation of welded Link-Belt HC-138 65-ton truck crane failure.

**Forensic accident investigation for INA** (1980-00108) of alleged arson fire.

**Metallurgical evaluation for 3-Spirits Oil & Gas** (1980-00302) investigation of wire cable swab cable failure.

**Consultant to State Farm Insurance** (1980-00304) in investigation of chimney chase cover allegedly causing a residential fire.

**Jones vs. Otis Engineering** (1980-00308) metallurgical accident investigation and root cause failure analysis of down-hole debris retrieved from oil well.

**Murray vs. Huffman Mfg.** (1980-00313) metallurgical accident investigation and root cause failure analysis of failed bicycle components.

**Petersburg vs. Brown-McKee** (1980-00325) accident investigation and metallurgical failure analysis of grain elevator explosion damage.

**Kibby vs. Williams** (1980-00402) metallurgical accident investigation and root cause failure analysis of an accident involving four-wheel drive front axle arm.

**Wainoco vs. Picoma** (1980-00405) accident investigation and metallurgical failure analysis of failed 11-7/8" casing in gas well.

**Grove Crane Collapse** (1980-00410) forensic accident investigation for insurer of structural damage to mobile truck crane.

**Metallurgical evaluation for American International Group** (1980-00507) failure analysis and wreckage evaluation of collapsed landfill truck trailer.

**McBride vs. Kawasaki** (1980-00512) accident investigation and metallurgical failure analysis of motorcycle fuel tank explosion.

**Edwards vs. Fruehauf** (1980-00515) accident investigation and metallurgical failure analysis of the separation of truck and trailer.

**Metallurgical evaluation for CNA Insurance** (1980-00516) of failed welded trailer coupling.

**Horton vs. Mono Mfg. Co.** (1980-00519) metallurgical accident investigation and root cause failure analysis of brush hog wheel rim explosion.

**Metallurgical evaluation for American Farm Bureau Service Co.** (1980-00524) investigation of plow disc mechanical property evaluation.

**Flatt vs. Jackson** (1980-00602) Forensic accident investigation for insurer of failed welded truck trailer axle.

**Metallurgical evaluation for Liberty Mutual Insurance Co.** (1980-00603) of Freightliner truck accident.

**Brio Petroleum vs. White Mfg.** (1980-00608) accident investigation and metallurgical failure analysis of steering box and pump on 1980 Western Star tractor-trailer.

**Report** (1980-00618) to concerning failed eight-inch water main.

**Investigation** (1980-00708) of chipping from wedge and hammer.

**Metallurgical evaluation for Western Claims** (1980-00715) of contribution of fractured welded spring hanger bracket to one-vehicle truck accident.

**Haney vs. Ford Corp.** (1980-00810) metallurgical accident investigation and root cause failure analysis of 1974 Ford pickup truck fan blade failure.

**Report** (1980-00820) of failed seat bolt on 1974 BMW automobile.

**Northrup vs. Robert Shaw** (1980-00821) metallurgical accident investigation and root cause failure analysis of controller failure and propane water heater explosion.

**State of Arkansas vs. Fuller** (1980-00901) accident investigation and metallurgical failure analysis of truck/automobile accident involving separation of welded truck axle.

**Investigation** (1980-00908) of captain's chair separation from a Chris Craft Excalibur yacht.

**Metallurgical evaluation for Great Southern Production Co.** (1980-00909) evaluation of failed 9/16 inch wire rope swab line.

**Metallurgical evaluation for Hartford Insurance Co.** (1980-01001) concerning an explosion during inflation of aluminum automobile tire rim.

**Report**, (1980-01007) engineering evaluation and root cause determination of the cause of a tire-rim separation during inflation.

**Metallurgical evaluation for Western Claims, Inc.** (1980-01017) investigation of one-vehicle truck accident involving rollover of drilling rig.

**Metallurgical evaluation for GAB Business Services, Inc.** (1980-01019) investigation of trailer hitch pin failure and resulting trailer accident.

**Oliver vs. Superior Concrete** (1980-01026) accident investigation and metallurgical failure analysis of possible failure of concrete panel tilt-up insert.

**Report** (1980-01105) and engineering evaluation of 2 3/8 inch, 4.7 pound J-55 tubing failure and resulting explosion.

**Snowden vs. Atchison, Topeka & Santa Fe Railroad** (1980-01112) metallurgical accident investigation and root cause failure analysis of locomotive chair seat failure.

**Cox vs. Lee Way** (1980-01113) Forensic accident investigation of failed truck spring hanger bracket components.

**Analysis and Metallurgical evaluation for Moran Energy** (1980-01114) of failed five-inch grade E drill pipe.

**Forensic accident investigation for INA** (1980-01115) of collapse of Christian International Rig No. 24.

**Research for Mapco, Inc.** (1980-01203) investigation of design and materials used in construction of hydrofluoric acid pressure vessel.

**Analysis for EFDYN, a division of Autoquip Corp.** (1980-01212) of case depth and chrome plating thickness.

**Research and Metallurgical evaluation for Marathon Battery Co., Waco, TX** (1980-01212) of nickel/cadmium battery plate embrittlement.

**Metallurgical investigation** (1981-10101) and engineering evaluation of chain failure resulting scaffolding collapse.

**Mastercraft vs. Mitsubishi Aircraft** (1981-10103) aircraft accident investigation and metallurgical failure analysis of crash of Mitsubishi MU-2 aircraft accident.

**Metallurgical evaluation for An-Son Corporation** (1981-10106) of accident involving a Hydril fitting failure.

**Dan Smith vs. Travel Equipment Corp.** (1981-10109) accident investigation and metallurgical failure analysis of flared copper fitting.

**Research for CMI Corp.** (1981-10110) failure analysis of sprocket segment.

**Forensic accident investigation for United General Insurance Co.** (1981-10123) of failed traveling block hook on drilling rig.

**City and County of Denver vs. ITT Grinnell Corp, Eby Construction Co.** (J10124) forensic accident investigation of welding defects in 108-inch water pipeline.

**Metallurgical evaluation for CMI Corp.** (1981-10128) of sprocket and shaft material analysis.

**Dunn vs. Modrak** (1981-10202) metallurgical accident investigation and root cause failure analysis of failed condylar plate.

**Symmonds vs. Cotton Petroleum** (1981-10203) accident investigation and metallurgical failure analysis of surface casing rupture.

**John Thompson, Estate of Sharon K. vs. Harley-Davidson** (1981-10207) accident investigation and metallurgical failure analysis of motorcycle accident.

**Research and Failure Analysis for Petroleum Resources** (1981-10209) of failed section of 2 3/8-inch oil well tubing.

**Forensic accident investigation for VePed Traffic Controls Corp.** (1981-10210) research and evaluation of weld processes.

**Forensic accident investigation for LARCO Mining & Metallurgical Co., Athens, Greece** (1981-10217) of an acetylene tank explosion.

**Courtney vs. Johnson Wax and American Can Co.** (1981-10219) investigation of aerosol can explosion.

**Shelton vs. Ford Motor Co. and Southwest Ford, Inc.** (1981-10405) accident investigation and metallurgical failure analysis.

**VePed Traffic Controls Corp.** (1981-10415) investigation of repeated welding process failures.

**White Stripe Pipe Inspection** (1981-10421) failure analysis of 4-1/2 inch drill pipe failure.

**Forensic accident investigation for Anschutz Corp.** (1981-10514) of 5-1/2 inch casing.

**Forensic accident investigation for Anschutz Corp.** (1981-10515) of API conformance check and failure analysis of 2-7/8 inch tubing.

**Metallurgical investigation** (1981-10519) of failed 2-7/8 inch oilfield tubing.

**N.L. Acme Pipe Co.** (1981-10601) investigation of drill pipe failure.

**Gulfstream American Corp.** (1981-10602) analysis of windshield materials in failed aircraft window accident.

**Forensic accident investigation for General Motors Corp.** (1981-10603) of recurring failures in X-678 conveyor chain on automobile assembly line/

**Stewart vs. Jaswell Corp.** (1981-10614) metallurgical accident investigation and root cause failure analysis of welded pull-down drilling rig assembly.

**Investigation and Analysis of Fire Damage** (1981-10701) to drilling rig substructure for Universal Resources Corp.

**Hodge vs. Lockheed Aircraft** (1981-10707) metallurgical accident investigation and root cause failure analysis of control cable failure resulting in aircraft accident.

**Douglas Parks vs. Meither Machine Co.** (1981-10712) accident investigation and metallurgical failure analysis of natural gas compressor components in natural gas processing station explosion.

**Taylor vs. Ford Motor Co.** (1981-10716) metallurgical accident investigation and root cause failure analysis of Thunderbird automobile transmission.

**E&M Machine Shop vs. Brown Welding Supply** (1981-10717) metallurgical accident investigation and root cause failure analysis of acetylene tank explosion and fire.

**James Pitts vs. Gold Star Drilling** (1981-10725) metallurgical accident investigation and root cause failure analysis of drilling rig mast failure.

**American Farm Bureau Services** (1981-10726) plow disc mechanical physical property determination.

**Pride Oilfield Services, Inc.** (1981-10729) investigation of collapse of drilling rig.

**Shar-Lane Oil Co.** (1981-10732) failure analysis of 4½ inch grade E drill pipe.

**Pride Oilwell Services** (1981-10733) NDT inspection of drilling rig.

**Wright Airlines vs. General Dynamics and TEMPCO** (1981-10804) accident investigation and metallurgical failure analysis of hydraulic cylinder piston failure.

**Mid-Continent Casualty Co.** (1981-10812) investigation of bull plug failure.

**Moran Energy Corp.** (1981-10813) research and failure analysis of a 4½ inch drill pipe.

**Badgett Steam Lube Corp.** (1981-10817) materials evaluation.

**Investigation and Metallurgical evaluation for Hartford Insurance Co.** (1981-10829) of multiple sucker rod failures.

**Trojan vs. Buckingham** (1981-10830) accident investigation and metallurgical failure analysis of accident involving utility pole-climbing spikes.

**Cheshire Adjustments** (1981-10832) accident investigation and metallurgical failure analysis of drilling rig lifting eye failure and rig collapse.

**White Stripe Pipe Inspection** (1981-10907) investigation and analysis of failed drill pipe.

**Cheshire Adjustments Co.** (1981-10915) investigation of drilling rig collapse.

**Pengo Industries** (1981-10916) analysis of drill collar failure.

**Royal Insurance Co.** (1981-110J05) examination and investigation of failed wire rope.

**Gibraltar Exploration** (1981-110J06) analysis of drill collar box tool joint failure.

**Crawford & Co.** (1981-110J08) evaluation of 9/16-inch wire rope failure.

**Anschutz Corp.** (1981-110J10) research and evaluation of multiple ¾ inch sucker rod failures.

**Report** (1981-J11131) of accident involving a 1981 Chevrolet pickup truck.

**Hunt vs. AMF** (1981-J11131) accident investigation and metallurgical failure analysis of accident involving Harley-Davidson motorcycle.

**Metallurgical analysis** (1981-J11137) of bimetallic strip failure for Sooner Engineering.



**Anschutz Corp.** (1981-J11138) evaluation of wire rope failure.

**Corporate Air Services, Inc. vs. Mitsubishi Aircraft** (J11139) accident investigation and metallurgical failure analysis of aircraft accident.

**Helmerich & Payne** (1981-J11231) analysis of 5¼ inch diameter keyed shaft failure.

**Dickson Industries, Inc.** (1981-J11232) chemical analysis of abrasion resistant cast iron.

**Southwest Inspection** (1981-J11233) engineering evaluation and metallurgical research and report of analysis of failed 2-7/8 inch tubing.

**Wilson vs. Bollinger** (1981-J11251) accident investigation and metallurgical failure analysis of accident involving failure of defective truck-trailer axle failure.

**Robertson vs. Sturm** (J20131) metallurgical accident investigation and root cause failure analysis of an automatic rifle.

**Israel Aircraft Industries** (J20132) examination of aircraft landing gear failure.

**Lee Way Motor Freight, Inc.** (J20133) investigation of failed tractor-trailer hitch pin.

**Moran Energy Corp.** (J20134) failure analysis of two failed joints of 4½ inch S-135 drill pipes.

**Western Claims** (J20136) investigation of a fractured diesel engine connecting rod.

**Star-Spencer Elementary School, Spencer, OK** (J20137) metallurgical accident investigation and root cause failure analysis of boiler explosion at school with numerous fatalities.

**Metallurgical evaluation and engineering report for Hartford Insurance Co.** (J20138) concerning a ruptured 24-inch oil transportation pipeline.

**Challenger Drilling vs. Cudd Pressure Control** (J20234) accident investigation and metallurgical failure analysis of high pressure oil well explosion.

**Cactus Feeders & Ranger. vs. WEMCON Corp.** (J20235) accident investigation and metallurgical failure analysis of explosion and fire in cattle feedlot.

**U.S. Environmental Protection Agency** (J20236) investigation of drums leaking hazardous material, testimony before Grand Jury, Houston, TX.

**Research and Failure Analysis for Moran Brothers Energy** (J20238) of a failed 5-inch Grade E drill pipe.

**Barber vs. Dutro** (J20351) Forensic accident investigation for Hartford Insurance Co. of collapse of four-wheel moving cart.

**Gram vs. Eastern Mountain** (J20352) Forensic accident investigation of explosion of a Primus torch canister.

**Karr vs. Synthes** (J20434) metallurgical accident investigation and root cause failure analysis of faulty metal plate placed in plaintiff's right thigh resulting in nerve damage.

**Parker vs. Synthes** (J20435) metallurgical accident investigation and root cause failure analysis of personal injury caused by faulty metal plate.

**Research and Report for Associated Aviation Underwriters** (J20436) of Bell 222 helicopter crash.

**W & B Drilling vs. Cardinal Pipe & Equipment** (J20532) accident investigation and metallurgical failure analysis of multiple tool joint failures.

**Frank Yancy vs. Big Three Industries** (J20632) Forensic accident investigation of acetylene tank rupture, explosion and subsequent fire.

**Schick Oil & Gas** (J20639) Forensic accident investigation to identify the manufacturer of a 1200 feet of corroded 2-7/8" tubing.

**Furrs vs. Interlake Crane** (J20652) metallurgical accident investigation and root cause failure analysis of bronze gear failure.

**Troyet Ray vs. Anderson Clayton Co. and General Electric Co.** (J20730) accident investigation and metallurgical failure analysis of electrical fuse/switch box explosion.

**Black vs. Furrs** (J20732) accident investigation and metallurgical failure analysis of collision between tractor-trailer and a stalled passenger vehicle.

**Brantley Helicopter Crash** (J20737) accident investigation and metallurgical failure analysis of possible failure of helicopter tail rotor.

**Mozingo vs. Fafnir** (J20830) accident investigation and metallurgical failure analysis of bearing failure and crash of agricultural spray aircraft.

**Bible vs. Buckeye Gas Products** (J20831) accident investigation and metallurgical failure analysis of control valve and propane explosion.

**LeMay vs. General Motors** (J20838) accident investigation and metallurgical failure analysis of vehicle rollover and axle failure.

**Metallurgical evaluation for Midstates Analytical Labs** (J20930) of Inconel sheath corrosion.

**Dan Miller vs. Sheplers, Inc.** (J20839) accident investigation and metallurgical failure analysis of trailer tie quick release snap.

**Metallurgical evaluation for Hartford Insurance Co.** (J20932) of the failure of a strap hanger during operation of side boom crawler tractor.

**Ratzlaff vs. Beltran and Welltech, Inc.** (J20934) accident investigation and metallurgical failure analysis of portable drilling rig wheel failure.

**Parker vs. Orion** (J20936) accident investigation and metallurgical failure analysis of radio antenna and mounting pole for evidence of electrical contact and arcing.

**McDonough Brothers, Inc., vs. Braniff International** (J20937) metallurgical accident investigation and root cause failure analysis of locking device on maintenance stand.

**Metallurgical evaluation for U.S. Companies, Dallas, TX** (J21031) metallurgical examination of right main landing gear on 1979 Citation I aircraft.

**Loyds vs. U.S. Steel** (J21032) accident investigation and metallurgical failure analysis of tubing and casing failure in relationship to a gas well explosion.

**Wayne Paiz vs. Bernard Lucero** (J21034) report for National American Insurance Co. of trampoline spring failure.

**Lonnie Northcliff vs. Bennett & Harris Propane** (J21035) accident investigation and metallurgical failure analysis of gas fitting and fire.

**Rambler Oil Co. vs. Shiloh Drilling** (J21130) Metallurgical evaluation of the failure of 8-5/8 inch casing.

**S.E. Exploration vs. Brock Hydrocarbon** (J21131) third party arbitration metallurgical evaluation of failed oilfield casing.

**Estella Truck vs. Dalworth Tank, Inc.** (J21134) accident investigation and metallurgical failure analysis of tanker truck rollover and explosion.

**Donald Stam vs. Hutchison Division of Royal Ind. & Dutton Lanson Co.** (J21135) accident investigation and metallurgical failure analysis of collapse of grain auger.

**Metallurgical evaluation for Nolan Systems, Inc.** (J21136) of a 5/8-inch diameter hardened shaft failure in office equipment.

**Tippitts vs. Nissei** (J21137) metallurgical accident investigation and root cause failure analysis of thread damage inside a drilled hole.

**Metallurgical evaluation for Eby Construction Co.** (J21138) of welding failure in 108-inch diameter water pipe.

**Jerry Cochran & David Coffman vs. Robert Guilliemo, Martinex and MCG Picture Frames vs. Sears and Ford Motor Co.** (J21230) accident investigation and metallurgical failure analysis of failed brake line.

**Hurtado vs. RodRic Corp.** (J21232) metallurgical accident investigation and root cause failure analysis of oilfield casing failure.

**Metallurgical evaluation for Hartford Insurance Co.** (J21240) of boom weldment failure on concrete pumper truck.

**S&T Drilling vs. J-Co Machine Works** (J21243) metallurgical accident investigation and root cause failure analysis of wire rope socket failure.

**Metallurgical evaluation for Hartford Insurance Co.** (J21254) of roofing material failure.

**North Texas Exploration vs. Fort Worth Supply** (J30130) metallurgical accident investigation and root cause failure analysis of casing failure.

**Johnson vs. Musslewhite Trucking and Rig Building and Worley's Welding Works** (J30134) accident investigation and metallurgical failure analysis of weld failure.

**Erway vs. MacWhyte Rope Co.** (J30135) accident investigation and metallurgical failure analysis of wire rope used in sea water application.

**Barber vs. Cessna, AAR, Inc., Bird, OKC Flight & Airman and OG&E** (J30137) accident investigation and metallurgical failure analysis of aircraft engine components.

**Harrison vs. Odell Gelvin and Steve Wilmoth d/b/a G&W Farms** (J30138) metallurgical accident investigation and root cause failure analysis of flying fragment from struck tool causing eye damage.

**Timothy Robertson vs. Valmont Industries** (J30139) accident investigation and metallurgical failure analysis of crank handle failure.

**Metallurgical evaluation for insurer of F.W. Drilling** (J30232) of wellhead which cracked at the point where surface casing entered the wellhead.

**Briscoe Oil vs. NL Industries** (J30234) accident investigation and metallurgical failure analysis of down-hole tool failure.

**Benson vs. Bell Textron** (J30311) metallurgical accident investigation and root cause failure analysis of helicopter spherical bearing failure.

**Mildred Simmons vs. Oklahoma City Airport Trust Authority and Herman Miller, Inc.** (J30329) metallurgical accident investigation and root cause failure analysis of chair bracket failure.

**Consultant to Moran Energy Corp.** (J30335) analysis of failed 6¼ inch OD drill collar cracked in elevator recess area.

**Forensic accident investigation for Mitsubishi** (J30336) of in-flight breakup of MU-2 during snow storm.

**King vs. Arkla** (J30401) metallurgical accident investigation and root cause failure analysis of gas explosion from gas leaking from gas transmission pipeline system.

**C's Mobile Home vs. Gehring Ind. & Riblet Mfg.** (J30501) metallurgical accident investigation and root cause failure analysis of fracture of welded mobile home frame.

**Bender vs. Swineys** (J30507) forensic accident investigation of pulley failure which caused work table to drop.

**Richard Hall vs. Ashland Oil Co.** (J30516) accident investigation and metallurgical failure analysis of chlorine gas pipeline.

**Forensic accident investigation for Insurer of Brentwood Forrest Apts.** (J30517) of flexible gas line failure and its relationship to apartment fire.

**James Lickenbrock d/b/a All Steel Mfg. Co.** (J30522) accident investigation and metallurgical failure analysis of trailer lug bolt failure which resulted in damage to a classic antique car.

**Forensic accident investigation for Grace Petroleum** (JP30614) evaluation of failed 1¼ inch OD drill pipe.

**Failure Analysis Investigation** (JP30646) of 1978 Freightliner lug bolt failure.

**State of Idaho Department of Transportation Investigation** (J30716) of metallurgical properties of deformed remanufactured A-588 bridge I-beams.

**Accident Investigation and metallurgical evaluation** for insurer (J30813) of fire damage on a gooseneck trailer.

**Denny vs. City of Pryor Creek Municipal Utility Dept.** (J30820) accident investigation and metallurgical failure analysis of metal joint in gas pipe explosion.

**Moran Energy Corp.** (J30833) evaluation of H<sub>2</sub>S damage to drilling rig #68.

**Pride Oil Well Service Co.** (J30834) evaluation of rig hydraulic cylinder failure.

**Hurst Pipe Sale, Inc.** (J30835) investigation of API conformance of 8-5/8 inch K-grade casing.

**Forensic accident investigation for U.S. Dept. of Transportation, National Transportation Safety Board** (J30843) of breakup of S.S. MARINE ELECTRIC.

**Texaco vs. Cudd High Pressure** (J30909) accident investigation and metallurgical failure analysis of rupture and explosion of blowout preventer.

**Forensic accident investigation for insurer of rig owner** (J30919) of wire line failure in Gillette, WY.

**Saner & Staffs vs. Dressers Industries, Bankhead, Inc., Aztec Specialty Co., and Zip Tool** (J30950) forensic accident investigation of a welding defect and effect on rig collapse.

**Investigation** (J30952) of flexible gas line failure and its relationship to fire causation.

**American Enterprises vs. White Motor & General Motors Corp.** (J31001) metallurgical accident investigation and root cause failure analysis of fire damage to garbage truck starter solenoid.

**Investigation** (J31004) of hole in truck brake hydraulic line.

**Lubbock City/County Health Department** (J31024) engineering evaluation and metallurgical investigation of water heater/boiler explosion.

**Fairchild Industries, Inc.** (J31038) accident investigation and metallurgical failure analysis of in-flight fire on Air Canada DC-9 airplane.

**Investigation** (J31042) of left rear wheel loss from 1983 F-350 Crew 4-Door truck and horse trailer.

**Welbros Drilling Co. vs. Seville-Grident Corp.** (J31102) metallurgical accident investigation and root cause failure analysis of X-Hole 6 inch drill collar.

**Investigation** (J31113) of metallurgical evidence involved in I-95 Mianus River bridge collapse.

**Metallurgical evaluation for Insurer of Leon Hixon, Okie Foundation & Drilling Co.** (J31148) of outrigger failure on foundation drilling truck affecting the stability.

**Fair Oil Co.** (J31216) investigation of 2-3/8 inch collapsed tubing from HS Davenport #1 well.

**Suit's Drilling Co.** (J31237) investigation of explosive rupture of steel cast pulsation dampeners.

**Sharp vs. Dayton Hudson and Huffy Corp.** (J31238) metallurgical accident investigation and root cause failure analysis of handlebar failure on a motor-cross bicycle.

**Kirksey vs. D.C. Well Service & Texaco, Inc.** (J40116) accident investigation and metallurgical failure analysis of failures of anchor I-bolts and turn-over of work-over well service unit.

**Santa Fe vs. Butler Mfg. and Ohalaran Oil** (J40158) accident investigation and metallurgical failure analysis of tank explosion.

**Kay vs. Quick Sharp Inc.** (J40321) metallurgical accident investigation and root cause failure analysis of ceramic knife sharpener failure.

**Forensic accident investigation for Truck Owner** (J40340) of steering column bracket failure and its relation to an accident.

**Forensic accident investigation for Insurer of Coal Company Scraper** (J40410) of fire damage to a scraper/tractor frame.

**Brckett vs. Ryder Truck Rental, Inc.** (J40529) accident investigation and metallurgical failure analysis of disengagement of a wheel from tractor-trailer.

**Vosler vs. Leede Oil** (J40543) accident investigation and metallurgical failure analysis of chicksan line.

**Pride Oil Well Service vs. Cooper Mfg.** (J40616) metallurgical accident investigation and root cause failure analysis of defects in structural members of well servicing rigs.

**Oxley Petroleum vs. Voest-Alpine** (J40629) metallurgical accident investigation and root cause failure analysis of defects in drill pipe.

**Kincade vs. Brown Tool & Supply** (J40633) accident investigation and metallurgical failure analysis of fatigue failure of a drill collar.

**Oklahoma City Municipal Authority vs. GHA Lock Joint** (J40659) Forensic accident investigation of spiral wire reinforced concrete water pipeline.

**Forensic accident investigation for insurer of Walls Bargain Center** (J40908) of a roof collapse in Midwest City, OK.

**Hutchinson vs. Rockwell International** (J41025) metallurgical accident investigation and root cause failure analysis of flying fragment from tool being used on truck axle.

**Forensic accident investigation for Insurer of Owner of Aircraft** (J41035) of aircraft engine crankshaft failure.

**Carter vs. Harnischfiger** (J41073) accident investigation and metallurgical failure analysis of attachment bolts in overhead crane.

**Kennecott Metals vs. Teton Exploration & Drilling** (J41127) accident investigation and metallurgical failure analysis of welding defects in large hole mine shaft casing.

**Accident Investigation and engineering analysis** (J41212) of wire rope failure.

**Tenneco vs. Patterson** (J41216) accident investigation and metallurgical failure analysis of fatigue failure in offshore drilling string.

**Kerr Glass Co. vs. Big Three** (J7D1007) accident investigation of acetylene generator gasket and closure real which resulted in release of acetylene and subsequent explosion.

**Oklahoma Tank Trucks vs. Walter Conner** (JAC060) accident investigation and metallurgical failure analysis of explosion of hot oil unit.

**Wallace vs. Briggs & Stratton** (JAC200) accident investigation and metallurgical failure analysis of aluminum flywheel housing failure.

**Nineteenth Seed** (JAD090) accident investigation and metallurgical failure analysis of a dump truck leaf spring failure.

**Higgins vs. Woodings-Verona Tool Works** (JAD120) accident investigation and metallurgical failure analysis of a chip flying from striking tool.

**Cash vs. Litton Ind.** (JAD140) metallurgical accident investigation and root cause failure analysis of chip flying from hammer.

**Moffat vs. Kelsey Hays** (JAD250) accident investigation and metallurgical failure analysis of wheel studs failure.

**Forensic accident investigation for Oil Company** (JAD420) of 3½ inch, 15.8# internally coated tubing.

**Investigation** (JAD540) of power sander failure.

**Forensic accident investigation for Oil Company** (JAD570) of circumferential cracking in P-110, 38# casing.

**Forensic accident investigation for Aircraft Manufacturer** (JAE180) of landing gear outer body.

**Forensic accident investigation for Eby Construction, Wichita, KS** (JAG090) of alleged defective welding in water pipeline.

**Washut vs. Cudd Pressure** (JAG190) accident investigation and metallurgical failure analysis of well explosion.

**Union Oil vs. Patterson** (JAG240) accident investigation and metallurgical failure analysis of pup joint.

**Green vs. Sears and Fisher Heating** (JAG530) accident investigation and metallurgical failure analysis of alleged faulty furnace installation.

**Overton Construction** (JAH090) investigation of I-beam discontinuities.

**Ford vs. Cabot Corp.** (JAH130) accident investigation and metallurgical failure analysis of casing head failure.

**Prufrock vs. USAIG** (JAH270) metallurgical accident investigation and root cause failure analysis of premature failure of aircraft engine.

**Clements vs. Lockwood Corp.** (JAI440) metallurgical accident investigation and root cause failure analysis of electrocution by coming in contact with irrigation system piping.

**Forensic accident investigation for Insurer** (JAJ020) of explosion at Rollingwood Elementary School.

**Heald vs. M&R Industrial Coatings** (JAJ080) accident investigation and metallurgical failure analysis of wire rope failure.

**Bates vs. Ridge Tool Co.** (JAJ150) metallurgical accident investigation and root cause failure analysis of design of pipe threading device.

**Wampler vs. Radiator Specialty Co.** (JAJ540) accident investigation and metallurgical failure analysis of design and material in automobile radiator.

**Forensic accident investigation for Oil Company** (JAK100) of 7-5/8, 33.7#, P-110 casing failure.

**Explosion Damage at Calvary Tabernacle Church of God, Checotah, OK** (JAK230) investigation of building damage from bomb explosion on nearby I-40 Highway.

**Smith vs. General Electric** (JAK250) accident investigation and metallurgical failure analysis of arcing in fuse box resulting in explosion in plaintiff's face.

**Forensic accident investigation for Insurer** (JAK370) of gate valve in Wilson Public School.

**Consultant to Manufacturer** (JAL480) concerning failure oil well pump tail pin.

**Mathews vs. Cudd Pressure** (JBA020) accident investigation and metallurgical failure analysis of oil well lubricator.

**Forensic accident investigation for Oil Company** (JBA100) of drill collar cracking.

**Ferguson vs. Padre Tubular Inc.** (JBA180) accident investigation and metallurgical failure analysis of oil well tubular goods failure.

**Freezer Service vs. U.S. Supply** (JBA580) accident investigation and metallurgical failure analysis of explosion in ammonia freezer plant.

**Ruiz vs. Rochester Corp.** (JBA590) accident investigation and metallurgical failure analysis of wire rope failure.

**Sledge Welding vs. General Processing** (JBA600) accident investigation and metallurgical failure analysis of acetylene cylinder fire.

**Potlatch Corp. vs. Sirrine Services** (JBA610) accident investigation and metallurgical failure analysis of explosion in black liquor plant boiler.

**Landrum vs. Acadian** (JBB110) metallurgical accident investigation and root cause failure analysis of flexible gas line and relationship to fire.

**Keith vs. General Motors** (JBB150) metallurgical accident investigation and root cause failure analysis of automobile axle failure.



**Robinchax vs. Georgia Boy Mfg.** (JBB200) accident investigation and metallurgical failure analysis of explosion of truck fuel tank as a result of support strap corrosion and separation.

**Sunbelt vs. Blue Quail Oil & Gas** (JBB230) accident investigation and metallurgical failure analysis of blowout preventer failure.

**Bludgett vs. APAC Caroline Inc.** (JBB340) metallurgical accident investigation and root cause failure analysis of automobile axle separation.

**Lester Carolyn vs. Sears Roebuck** (JBB410) metallurgical accident investigation and root cause failure analysis of alleged manufacturing defect in kerosene heater.

**Forensic accident investigation for Manufacturer** (JBB570) of quality of welds produced in presence of magnetic field.

**Spiel Gut Toy** (JBC070) investigation of toy that severed the tip of child's finger.

**Day vs. OG&E and McCoy Tree Surgery** (JBC280) engineering evaluation and accident investigation of tree limb which fell on electrical line igniting wooden pole.

**Ruiz vs. City of Anaheim** (JBD140) Forensic accident investigation of window washer's support line failure.

**Blood vs. Treanor** (JBE090) accident investigation and metallurgical failure analysis of safety screen failure.

**Forensic accident investigation for Owner** (JBE150) of alleged truck steering gear failure.

**Black vs. Cabot Petroleum** (JBE300) accident investigation and metallurgical failure analysis of an oil well casing failure.

**Forensic accident investigation for Texaco Oil & Gas** (JBE310) failure of hammer union at Will Rogers Airport.

**Royal Swedish Tanning Salon** (JBF150) engineering evaluation and investigation of building and tanning beds for root cause of fire.

**State Farm Insurance vs. Fleetwood Motor Homes** (JBF200) metallurgical accident investigation and root cause failure analysis of flexible gas line.

**James Wainwright vs. Royal. Co. of Am.** (JBF210) metallurgical accident investigation and root cause failure analysis of relief valve.

**McGiel vs. Skyhook Inc.** (JBG200) accident investigation and metallurgical failure analysis of cherry-picker lifting device.

**Hatto vs. NW Central Pipeline** (JBG370) accident investigation and metallurgical failure analysis of front-end loader penetration of high pressure gas transmission line which resulted in explosion and fire.

**ATV Stability Evaluation** (JBG380) metallurgical accident investigation and root cause failure analysis of Honda ATV rollover.

**City of Mont Belvieu vs. Tenneco** (JBG430) metallurgical accident investigation and root cause failure analysis of corrosion failure of casing in LPG salt dome storage system.

**Kittrell vs. Aerospaceal Helicopter Inc.** (JBH120) metallurgical accident investigation and root cause failure analysis of helicopter transmission failure.

**Forensic accident investigation for Aircraft Manufacturer** (JBH220) of AQM forward tank dome failure.

**Frigon vs. Cessna** (JBH300) metallurgical accident investigation and root cause failure analysis of aircraft engine crankshaft failure.

**Johnson vs. U-Haul** (JBI190) accident investigation and metallurgical failure analysis of truck brake line failure.

**Examination of Damage to Top of Water Tower** (JBI280) investigation of lightning and arcing damage to water tower.

**Terry Tippet vs. CMI and John Armstrong** (JBI330) investigation of pressure relief valve on the unit which pumped hot liquid asphalt.

**Vandall vs. Prine Petrol Products** (JBI400) investigation of truck fuel tank explosion.

**Accident investigation** (JBJ040) of Cessna 421-66PC aircraft landing gear failure.

**Wienecke vs. Synthes** (JBJ060) metallurgical accident investigation and root cause failure analysis of femur nail.

**Forensic accident investigation for Insurer** (JBJ110) of weld failure in hot oil pumper unit and subsequent fire and explosion.

**Morrison vs. Overhead Door** (JBK170) accident investigation and metallurgical failure analysis of overhead door spring that fell resulting in fatality.

**Fierro vs. Caterpillar Tractor** (JBL060) investigation of engine failure of Caterpillar tractor.

**Tate vs. Auto Convoy** (JBL300) accident investigation and metallurgical failure analysis of accident involving auto transport carrier hold down strap and chain.

**Moundsvew vs. Williams Pipeline** (JCB400) accident investigation and metallurgical failure analysis of pipe rupture and investigation of corrosion and pipe manufacturing defects.

**Forensic accident investigation for Insurer of contractor** (JCB470) of collapse of Moore Community Center roof.

**Cable Hoists of Dam Gates** (JCC200) Forensic accident investigation for U.S. Corp. of Engineers of uneven stressing of cables used for lifting dam gates.

**Reeves vs. Charles Bryant Jr. d/b/a Charles Electric, Nutri Envelopes Inc. and Shultz Cattle Co., Inc.** (JCC230) accident investigation and metallurgical failure analysis of grain auger accident.

**Estate of Spicer vs. Nu-way Mobile Homes, Virgin Lumber Co. and Rheem Mfg.** (JCC270) accident investigation and metallurgical failure analysis of water heater which caused mobile home fire.

**Cooper Manufacturing vs. B&W and U.S. Steel** (JCD200) metallurgical accident investigation and root cause failure analysis of defective steel structure in oil well servicing rigs.

**Forensic accident investigation for Insurer** (JCD330) of Bronco automobile axle.

**Kerr McGee Waste Containers** (JCD390) investigation to evaluate material substitution for nuclear waste containment vessels.

**Forensic accident investigation for Aircraft manufacturer** (JCE210) of repeated landing gear failures.

**Cooper vs. General Motors** (JCE220) metallurgical accident investigation and root cause failure analysis to determine the sharpness of the edge of automotive stamping.

**General Can vs. United El Chem** (JCF200) accident investigation and metallurgical failure analysis of series of cans.

**Harmon vs. Container Products** (JCG070) accident investigation and metallurgical failure analysis of weld failure of stainless steel drum containing nitric acid.

**Stephens vs. Ralston Purina** (JCG160) metallurgical accident investigation and root cause failure analysis of pulley system in grain elevator.

**Harrison vs. Hi-Lift Equipment Rental** (JCG380) accident investigation and metallurgical failure analysis of welded scaffolding.

**Forensic accident investigation for Insurer of Transport Company** (JCH040) of truck wheel studs.

**Cross vs. Grace Drilling** (JCH160) accident investigation and metallurgical failure analysis of chicksan line rupture.

**Cudd Pressure Control vs. Thibodeaux** (JCI300) metallurgical accident investigation and root cause failure analysis of high pressure threaded elbow rupture and explosion.

**Wendt vs. Coleman Co.** (JCK160) accident investigation and metallurgical failure analysis of explosion involving propane camping stove.

**Trunkline LNG vs. Trane Co.** (JCL110) metallurgical accident investigation and root cause failure analysis of stainless steel tubing.

**Mesche vs. Duane's Flying Service** (JDA170) accident investigation and metallurgical failure analysis of aircraft engine cylinder failure.

**Neilson vs. Blue Diamond** (JDA280) failure and of collapse of flatbed tractor-trailer jack.

**Keeton vs. Continental Teledyne** (01F80051) metallurgical accident investigation and root cause failure analysis of aircraft engine crankshaft.

**ANR Pipeline vs. Okemah Construction** (JDA410) Forensic accident investigation for insurer of defendant of physical damage to pipeline.

**Hudson vs. Albert's Plating** (JDB804) accident investigation and metallurgical failure analysis of alleged defect during plating of chair hardware.

**Halliburton vs. Texas Steel** (JDC805) metallurgical accident investigation and root cause failure analysis of casting defects.

**Thanh vs. Tuthill** (JDC806) accident investigation and metallurgical failure analysis of high-pressure fitting.

**Wommack vs. Batesville Casket** (JDD807) accident investigation and metallurgical failure analysis of separation of trailer from tractor-trailer.

**Diamond vs. Mitsubishi Aircraft** (JDE808) accident investigation and metallurgical failure analysis concerning abusive utilization of jet aircraft which caused an aircraft crash.

**Metallurgical evaluation of a slow speed shaft failure** (JDE809) used during the manufacturing of oil well pumps.

**Liftrick vs. Otis Courtwright** (JDE811) accident investigation and metallurgical failure analysis of flexible gas line and its relation to a fire.

**Richardson vs. Ingram** (JDE812) accident investigation and metallurgical failure analysis of wire rope failure.

**Bennett vs. City of Stillwater** (JDE814) accident investigation and metallurgical failure analysis of emergency flasher light bulb filament failure.

**N.L. Industries vs. Cimarron Exploration** (JDE815) metallurgical accident investigation and root cause failure analysis of fishing tool failure.

**Cannon vs. Southern Supply** (JDG818) accident investigation and metallurgical failure analysis of explosion of air tank.

**Forensic accident investigation for Lincoln Petroleum Co.** (JDG819) of casing failure.

**Adams vs. Big Three Industries** (JDH820) accident investigation and metallurgical failure analysis of oxygen cylinder valve.

**Forensic accident investigation for U.S. Army Corp. of Engineers** (88I22I) of failure and testing of welded stainless steel pipeline.

**Metallurgical evaluation for Exxon Corp.** (JDK823) of explosion and fire in tertiary oil recovery operation.

**Ward vs. U.S. Forgecraft** (JDL827) accident investigation and metallurgical failure analysis of engagement of lanyard safety hook.

**Hales vs. Chromcraft** (JDL828) accident investigation and metallurgical failure analysis of office chair.

**Heinsch vs. Whipples and Eaton Corp.** (JDL829) accident investigation and metallurgical failure analysis of hot tub heater switch.

**Metallurgical evaluation for Bud Hale & Co.** (JDL831) of tire/rim failure on Budget rental automobile.

**Neil vs. Teledyne** (JEA010) accident investigation and metallurgical failure analysis of bolts attaching large capstan to deck of barge.

**Thompson vs. Federal Pacific Electric** (JEA020) accident investigation and metallurgical failure analysis of electrical switch and fire.

**Cornett vs. Hertz-Penske Truck Leasing** (JEA030) accident investigation and metallurgical failure analysis of re-welding of truck step bracket.

**Big Three vs. Kruger** (JEA040) metallurgical accident investigation and root cause failure analysis of fire in oxygen compressor.

**Stogsdill vs. Suzuki and Reynolds** (JEA050) metallurgical accident investigation and root cause failure analysis of bolt involved in four-wheel ATV accident.

**Chapman vs. Sears** (JEA060) metallurgical accident investigation and root cause failure analysis of chair weld failure.

**Prochnow vs. Bell Helicopter** (JEA070) metallurgical accident investigation and root cause failure analysis of helicopter tail structure member.

**Allied Millwrights/Hereford, TX** (JEC100F) engineering evaluation of alleged welding in grain silo resulted in explosion.

**Foust vs. Keller and Ace Hardware** (JED120) metallurgical accident investigation and root cause failure analysis of failed aluminum extension ladder.

**55 Well Service vs. Halliburton** (JED130) metallurgical accident investigation and root cause failure analysis of collapse of work over rig.

**White vs. Makita** (JEE140) metallurgical accident investigation and root cause failure analysis of table saw blade tooth failure.

**Accident Investigation and Report** (JEE150) of van A-frame member failure.

**Metallurgical Investigation** (JEF160) of hip joint failure.

**Hebert/Billoit vs. Chevron and U.S. Cylinder** (JEF170) accident investigation and metallurgical failure analysis of explosion of acetylene cylinder.

**Morrow vs. Walker** (JEF180) Metallurgical evaluation of pneumatic floor jack failure.

**Ca-Tex vs. U.S. Steel** (JEG190) accident investigation and metallurgical failure analysis of 3 1/2 inch X-95 drill pipe failure.

**Hammons vs. Lemco** (JEH200) accident investigation and metallurgical failure analysis of telephone line stringing tool failure.

**Dear and Smith vs. Coyne Cylinder** (JEI220) metallurgical accident investigation and root cause failure analysis of explosion of acetylene cylinder.

**Metallurgical investigation and report** (JEI230) to insurer of well servicing rig of wire rope failure.

**Accident investigation and report** (JEI240) for insurer of water pump casing failure.

**Davee vs. Frontier** (JEI250) metallurgical accident investigation and root cause failure analysis of welded crane boom accident.

**Carlton Heights Apartment Window** (JEJ280) examination of tool marks on window frame of apartment where alleged break-in and rape occurred.

**Crozier vs. Hedgecock** (JEJ290) metallurgical accident investigation and root cause failure analysis of aluminum ladder failure.

**DeWare vs. International Harvester** (JEJ300) metallurgical accident investigation and root cause failure analysis of truck steering failure.

**Cameron Iron Works vs. Quality Oilfield Products** (JEJ310) accident investigation and metallurgical failure analysis of alleged patent infringement.

**Accident investigation and Report** (JEK320) to Kerr McGee Corporation of tank car valve in loading accident.

**Bruner vs. Kearney** (JEK330) metallurgical accident investigation and root cause failure analysis of high voltage electrical connector.

**Accident investigation and Report** (JEK340) to Northbrook Insurance Co. of water pump impeller pulley failure.

**Gary vs. McKesson** (JEK350) accident investigation and metallurgical failure analysis of medical walker failure resulting injury to patient.

**K.O. Steel Casting** (JEK360) investigation and metallurgical evaluation of hammer union failure.

**Argello vs. Richard Walker Medical** (JEL370) accident investigation and metallurgical failure analysis of pituitary rongeur failure.

**Instrument Specialties Co.** (JEL380) investigation and report on a variety of instrument spring failures.

**Frances Dean vs. Big Three** (JFA020) accident investigation and metallurgical failure analysis of child fatality from breathing compressed helium.

**Metallurgical investigation** (JFA030) of welded boat trailer tongue failure.

**Touchette vs. Chevron & Tricel Environmental** (JFA040) accident investigation and metallurgical failure analysis of axle failure on a hazardous waste vehicle.

**Archer Daniels vs. TGS Construction** (JFA050) accident investigation and metallurgical failure analysis of collapse of grain storage facility.

**Jedele vs. Chrysler** (JFB060) metallurgical accident investigation and root cause failure analysis of seat back tilt mechanism.

**Santos vs. Schwing** (JFB070) accident investigation and metallurgical failure analysis of drawing translation (German to English) weld quality and adequacy.

**Clearwater Constructors vs. Central Texas Equipment** (JFC080) accident investigation and metallurgical failure analysis of weld failures.

**Madison Farms Elevator vs. SBC Construction** (JFD090) accident investigation and metallurgical failure analysis of grain elevator explosion.

**Kerr Glass vs. Big Three** (JFD100) accident investigation and metallurgical failure analysis of acetylene plant explosion.

**Mitchell vs. Caterpillar** (JEF110) accident investigation and metallurgical failure analysis of fastener failures on bulldozer seat.

**Frazier vs. Bender** (JFF120) accident investigation and metallurgical failure analysis of failure and design of load binder strapping handle.

**Forensic accident investigation for Bud Hale & Co.** (JFH140) of protective devices on plastic molding machine.

**VE Corp vs. Allied Millwright** (JFH150) accident investigation and metallurgical failure analysis of effect of welding on heat treated bracket failure.

**Stanley vs. Glad, Inc.** (JFI160) metallurgical accident investigation and root cause failure analysis of welded brackets on failed overhead crane equipment.

**VanArsdall vs. AJC, Inc.** (JFI180) accident investigation and metallurgical failure analysis of chipping from roofer's hatchet.

**Steven K. Martin vs. Payless Cashways/Krause** (JFJ190) accident investigation and metallurgical failure analysis of collapse of articulating ladder.

**Britt vs. S.E. Air Gas** (JFJ200) Forensic accident investigation of fire and explosion sequence and integrity of fusible plug.

**Moore vs. Quality** (JFK210) metallurgical accident investigation and root cause failure analysis of scaffold board elevating device.

**Arco vs. N.L. Shaffer** (JFK220) accident investigation and metallurgical failure analysis of explosion of subsea valve in loss of offshore oil rig.

**Hamilton vs. Hon Industries** (JFK230) accident investigation and metallurgical failure analysis of weld failure on office chair.

**Eby Construction vs. Reddy Buffalo Pump** (JGA020) metallurgical accident investigation and root cause failure analysis of deformation in pump shaft.

**Huerta vs. Huber** (JGA030) accident investigation and metallurgical failure analysis of closure on sand blasting unit sand pot lid.

**Midland Water Treatment Plant** (JGA040) investigation of corrosion as a result of inadequate undercoating and inadequate painting.

**Jet East Inc.** (JGA050) investigation of MU-2 aircraft nose gear collapse.

**Cabrera vs. Clyde Construction** (JGB060) accident investigation and metallurgical failure analysis of weld failure on construction equipment.

**Williams vs. MP&L** (JGB070) accident investigation and metallurgical failure analysis for evidence of installation of nut during construction of radio tower.

**Warner vs. Forum Bowl** (JGB080) Forensic accident investigation for insurer of brazing failure in chair leg.

**Johnson vs. Lone Star Gas** (JGB090) metallurgical accident investigation and root cause failure analysis of coupling pipe corrosion and subsequent house explosion.

**Young Drilling vs. Dana Corp.** (JGB100) accident investigation and metallurgical failure analysis of the collapse of oilfield drilling rig.

**Bill's Auto Parts** (JGE110) accident investigation and metallurgical failure analysis of alleged corrosion resulting from water damage.

**Atlas Lumber vs. SPS** (JGE120) testimony concerning metallurgical evidence contained in fire melted copper wire as a result of arcing.

**Graham vs. COBE Labs** (JGF130) accident investigation and metallurgical failure analysis of peritoneal catheter.

**Fisher Controls vs. Kanebridge Corp./Bolt & Nut** (JGF140) Metallurgical evaluation and testing of fastener for hydrogen embrittlement.

**Harris vs. Wheels in Motion** (JGG150) accident investigation and metallurgical failure analysis of proper attachment of bicycle wheel to the bicycle frame.

**West Texas Miracle Ear vs. Aaron Rents** (JGG160) accident investigation and metallurgical failure analysis of re-welded chair.

**Archer vs. Big Three/Ransom Tempil** (JGG170) accident investigation and metallurgical failure analysis of welding head manipulator.

**Gilbreath vs. Colonial Co., BMT and Mr. Renter** (JGG180) investigation of explosion of wallpaper steamer.

**Crane Power Line Investigation** (JGG190) investigation of electrical arcing of crane boom with electrical conductor.

**Barnes vs. Harnischfeger** (JGG200) metallurgical accident investigation and root cause failure analysis of jib fixture.

**NCNB vs. Dexter Water Management** (JGH210) accident investigation and metallurgical failure analysis of copper tubing in building cooling system.

**Smith vs. Bradford Mowing** (JGH220) accident investigation and metallurgical failure analysis of roadside mower blade separation.



**Layne vs. Bee Line** (JGH230) accident investigation and metallurgical failure analysis of shaft failure in truck wheel alignment head.

**Payton Machine vs. Coastal Chemical Co.** (JGH240) accident investigation and metallurgical failure analysis of contamination from wind borne muriatic acid.

**Hernandez vs. John Deere** (JGI250) metallurgical accident investigation and root cause failure analysis of open-end wrench failure.

**Bill Powell Die Chip Investigation** (JGJ270) metallurgical accident investigation and root cause failure analysis of chipping from machine stamping die failure.

**Carlton Heights Apartment Window** (JGJ280) accident investigation and metallurgical failure analysis of metallurgical evidence from a break-in and rape.

**Aero Oil vs. Explorec Energy** (JGK290) accident investigation and metallurgical failure analysis of alleged defects in oil well casing.

**San Migual vs. TX Highway Dept.** (JGK300) Forensic accident investigation for Texas General's office of overpass and guardrail accident.

**Robert Almand vs. South Side Auto Parts** (JGL310) metallurgical accident investigation and root cause failure analysis of high pressure hydraulic hose failure.

**Resource Trailer vs. Fisher** (JGL320) Forensic accident investigation of effect of cargo on corrosion in truck trailers.

**Harper vs. Hon Industries** (JHA010) accident investigation and metallurgical failure analysis of office chair collapse.

**Anderson Tech. vs. Great SW Marketing** (JHA020) accident investigation and metallurgical failure analysis of concrete pre-tensioning device in construction accident.

**Wheeler Energy vs. Cap Rock Pipe** (JHA030) metallurgical accident investigation and root cause failure analysis of oil well tubing couplings.

**Pearson vs. SPS** (JHB040) accident investigation and metallurgical failure analysis of arcing and electrocution upon contact of metal pole and 7400 volt electrical line.

**Casebolt vs. Smith** (JHC050) engineering evaluation and investigation of boating accident with question regarding the angle of attack of two boats in a nighttime boating accident.

**Frost vs. Caterpillar** (JHC060) accident investigation and metallurgical failure analysis of weld failure in triple high warehouse fork lift accident.

**Telelect vs. Schwing America** (JHC070) metallurgical accident investigation and root cause failure analysis of adequacy of weld design.

**U.S. vs. Zachry Construction** (JHC080) metallurgical accident investigation and root cause failure analysis of welding of stainless steel pipeline in jet fuel storage and loading facility.

**Casey vs. Madison Mill Sledge** (JHC090) accident investigation and metallurgical failure analysis of chipping from sledge hammer.

**Orville Cumiford vs. GM** (JHE100) metallurgical accident investigation and root cause failure analysis of automobile axle failure.

**Thomas vs. Arkansas Western Gas** (JHE120) accident investigation and metallurgical failure analysis of gas pipeline corrosion and failure.

**Henderson vs. Firestone/Bridgestone** (JHE130) metallurgical accident investigation and root cause failure analysis of truck tire split rim separation and explosion.

**Jackson vs. AISD and General Motors** (JHE140) accident investigation and metallurgical failure analysis of leaf springs on school bus and disengagement of rear wheels and axle.

**Beardsley vs. Rockwell Int.** (JHF150) metallurgical accident investigation and root cause failure analysis of chipping from truck axle.

**Fant vs. Hobbs Equipment** (JHF160) accident investigation and metallurgical failure analysis of welded hydraulic cylinder weld failure on cherry picker.

**Garcia vs. Austin Bridge and Rickman Screw Anchor Co.** (JHF170) investigation of failed bolts securing crane mast to crane transporter during crane erecting process at construction site

**Blast Door Hanger Shaft Failure** (JHG180) Forensic accident investigation for U.S. Army Corps of Engineers of welded hanger door support.

**LeMoine vs. Bending Shoe Man** (JHI200) metallurgical accident investigation and root cause failure analysis of failed aluminum tubing bender.

**Martinez vs. Bailey & Mayhew** (JHJ210) metallurgical accident investigation and root cause failure analysis of chipping of hand tool.

**Galvin vs. V. Waldon** (JHJ220) metallurgical accident investigation and root cause failure analysis of rusting and failure of truck trailer.

**Dansby vs. Barret, Inc.** (JHJ230) accident investigation and metallurgical failure analysis of explosion of oil storage tank.

**Patterson vs. Maintain, Inc.** (JHJ240) accident investigation and metallurgical failure analysis of welded oilfield truck trailer hitch.

**Sandusky vs. Caterpillar** (JHK250) accident investigation and metallurgical failure analysis of wire rope on pipe layer.

**Cokinos vs. L.B. Foster** (JHK260) investigation of pipeline failure.

**McIntyre vs. SPS** (JHK270) accident investigation and metallurgical failure analysis of wear of electric wiring.

**Weld Failure/Compressor Inlet** (JHK280) Metallurgical evaluation of jet engine compressor inlet.

**Wittenburg vs. SPS** (JHL300) accident investigation and metallurgical failure analysis of electrical wire leading into residence.

**Stephenson/Taylor Estate vs. RHS** (JHL320) accident investigation and metallurgical failure analysis of rig failure of oil field hydraulic pulling jack.

**TCO vs. Rockwell International** (JHL330) metallurgical accident investigation and root cause failure analysis of in-flight wing separation from Gulfstream aircraft.

**Oxley vs. Picoma Industries** (JIA010) accident investigation and metallurgical failure analysis of oil field casing coupling accident.

**Ragsdale vs. S.W. Research** (JIA020) accident investigation and metallurgical failure analysis of welded trailer tongue.

**Enloe Aluminum Canopy Failure** (JIB030) Metallurgical evaluation for defendant's insurer of an aluminum canopy.

**Bryant vs. Rockwell** (JIC040) metallurgical accident investigation and root cause failure analysis of chipping from truck axle.

**Fuentes vs. Dana Corp.** (JID050) accident investigation and metallurgical failure analysis of collapse of repaired drilling rig.

**Quaker Oates vs. Engineers** (JID060) accident investigation and metallurgical failure analysis of valve.

**Olson vs. Chance** (JID070) accident investigation and metallurgical failure analysis of carnival ride wire rope.

**Aston vs. SPS** (JID080) accident investigation and metallurgical failure analysis of range fire allegedly due to arcing from high voltage electric line.

**Beavers vs. Sisson** (JID090) accident investigation and metallurgical failure analysis of gas line valve and propane/butane explosion and fire.

**Dykes vs. GESCO** (JIE100) accident investigation and metallurgical failure analysis of automobile generator failure.

**Nichols & Stanley vs. Georgia Pacific** (JIF130) metallurgical accident investigation and root cause failure analysis of corrosion and failure of welded overhead walkway.

**Highway Mower Debris** (JIG150) Metallurgical evaluation for insured of evidence and debris distribution in mower accident.

**Big Three Industries** (JIH160) investigation of rupture of a CO<sub>2</sub> cylinder.

**Hutchison vs. Dana** (JIH170) accident investigation and metallurgical failure analysis of drilling rig collapse.

**Mapco vs. Flint** (JIH180) accident investigation and metallurgical failure analysis of welded ammonia pipeline failure.

**Hercus vs. Peterson** (JIH190) accident investigation and metallurgical failure analysis of vice grip pliers.

**Jones vs. American Tool** (JII190) investigation of alleged tool failure that dropped I- beam.

**Burkett vs. Custom Accessories** (JIJ200) metallurgical accident investigation and root cause failure analysis of load binding tie down failure.

**Gardner vs. Goodyear** (JIJ210) metallurgical accident investigation and root cause failure analysis of vehicle falling from elevated hydraulic automotive rack.

**Slough vs. Eby Construction** (JJJ211) accident investigation and metallurgical failure analysis of arcing resulting from electrical contact of crane and high-voltage electrical transmission line.

**Ellsworth Motor Freight** (JIJ230) Forensic accident investigation for insurer of failed and corroded aluminum cast hopper lids on truck.

**Tulsa School Board** (JIJ240) Forensic accident investigation for school board of corrosion and adequacy of welded soccer goal.

**Central & Southwest vs. Poz Lok** (JIK250) investigation of copper tubing/fittings in fire sprinkler system.

**Horner Food vs. AAA Refrigeration** (JIK260) accident investigation and metallurgical failure analysis of corroded lighting fixtures and electrical wiring due to placement of refrigerant line.

**Cline vs. King Machinery** (JIK270) accident investigation and metallurgical failure analysis of air driven pneumatic wrench.

**Hoyle vs. Black & Decker** (JIL280) accident investigation and metallurgical failure analysis of arcing and failure of switch in electric hand tool.

**Williamson vs. Cannondale Corp.** (JJA010) accident investigation and metallurgical failure analysis of mountain bicycle weld failure.

**Beamer vs. Versa** (JJA020) accident investigation and metallurgical failure analysis of articulating ladder failure and accident.

**Whitehead School District Chain Failure** (JJC030) Forensic accident investigation for insurer of school district of chain failure on school yard swing.

**Beamer vs. Wiscraft** (JJC040) accident investigation and metallurgical failure analysis of articulating ladder failure and accident.

**Harrison vs. Chance** (JJC050) accident investigation and metallurgical failure analysis of come-along aluminum casting failure.

**Oxygen Pipeline Valve Explosion** (JJD070) investigation of explosion of oxygen from improperly installed oxygen valve.

**U.S. Secretary of Labor vs. Murphy Enterprises** (JJD080) Forensic accident investigation of wire rope failure on carnival ride.

**ReCon Construction Trailer Separation** (JJG090) Forensic accident investigation for insurer of trailer vehicle involved in welded trailer separation.

**Arnold vs. Paccar Kenworth** (JJG100) metallurgical accident investigation and root cause failure analysis of truck muffler shield failure.

**Cook vs. Lindberg Heat Treating** (JJG110) accident investigation and metallurgical failure analysis of heat treatment of a tree spike.

**Lopez vs. Gates** (JJH120) metallurgical accident investigation and root cause failure analysis of braided hydraulic hose rupture.

**Shelton & Henderson vs. Texas Utilities Electric Co., Inc. & Texas Utility Co.** (JJI140) accident investigation and metallurgical failure analysis of arcing and electrocution resulting from aluminum irrigation pipe contacting overhead electrical high-voltage line.

**Vierregge vs. Lone Star Steel Engineering** (JJI150) consultation metallurgical evaluation of corrosion of gas pipeline and subsequent explosion.

**Parnell Dodge Caravan Rollover** (JJJ160) metallurgical accident investigation and root cause failure analysis of rollover of Dodge Caravan and axle failure.

**Max Chisolm vs. Marshall Logging, Inc.** (JJJ170) accident investigation and metallurgical failure analysis of diesel fuel tank explosion as a result of welding on fuel tank.

**Moore vs. Conoco** (JJJ180) accident investigation and metallurgical failure analysis of gasoline pipeline failure.

**Delacerda vs. McKissic-Crosby Group, Inc.** (JJJ190) metallurgical accident investigation and root cause failure analysis of door on oil field drilling rig casting failure which resulted in head injury.

**Fallwell vs. Norpan Corp.** (JJJ200) accident investigation and metallurgical failure analysis of gasoline pipeline failure.

**McGaugh vs. McBride** (JJK210) Forensic accident investigation for insurer of vehicle owner involved in failure of dump truck bed hydraulic cylinder bracket accident.

**Morris vs. CMI Corp., Twin City Hose and Viking Pump** (JJK220) Forensic accident investigation of high temperature failure of braided flexible stainless steel asphalt transfer line.

**Cline Truck Accident** (JKJ230) consultation regarding weld failure on brake pedal leading to automobile accident.

**Pitco Frialators vs. Elmwood Sensors** (JJK240) accident investigation and metallurgical failure analysis of electrical switch in deep fryer.

**Powell & Sons Trucking Hook/Block Rebuild** (JLJ250) Forensic accident investigation for insurer of shipping accident of a block and hook rebuild.

**Bend vs. Mobile** (JLJ260) accident investigation and metallurgical failure analysis of oil/gas piping failure in gas processing plant.

**White vs. WalMart** (JLJ270) Forensic accident investigation of failure and chipping of head of carpenter's hammer.

**Celsius vs. Atlas Tubular** (JKA010) accident investigation and metallurgical failure analysis of casing failure in oil and gas well.

**ALC Inc. Dump Truck Bed Failure** (JKA020) Forensic accident investigation for company of numerous weld failures in aluminum truck beds.

**Bryant vs. Purvis Bearing Services** (JKB030) accident investigation and metallurgical failure analysis of bearing failure in automated shelf-stocking equipment.

**Arcadian vs. Schoeller Bleckmann** (JKB040) Forensic accident investigation of urea reaction explosion in fertilizer plant.

**Mid-South Drilling of Jackson vs. Bowen Tools & Homco** (JKB050) accident investigation and metallurgical failure analysis of down-hole failure of drill collar after failure of drilling jar.

**Stiles vs. Aluminum Service Corp.** (JKC060) engineering evaluation of gaseous emission from aluminum foundry.

**Wind Shear Radar Dish, Will Rogers Airport** (JKC070) Forensic accident investigation for insurer of assembler of wind shear radar dish.

**Neal vs. Moss Planting and Arkansas Power & Light** (JKC080) accident investigation and metallurgical failure analysis of contact between cotton module builder and electric line pole resulting in electrocution of farm worker.

**1st Methodist vs. Whittaker d/b/a Quality Air** (JKD090) accident investigation and metallurgical failure analysis of furnace involved in fire.

**Mitsubishi Accident** (JKE100) accident investigation and metallurgical failure analysis of fatigue failure of propeller hub on Mitsubishi aircraft.

**Guardiola vs. Davis & Winchester** (JKE110) accident investigation and metallurgical failure analysis of explosion of hand gun.

**Goff vs. Payless Cashways** (JKF120) accident investigation and metallurgical failure analysis of pole barn nail which failed during extraction.

**Osborne vs. Ariens & Menco** (JKF130) metallurgical accident investigation and root cause failure analysis of set spring failure on welded riding lawnmower sully.

**Doyon Drilling Sling Failure** (JKG140) Forensic accident investigation for company of oil field tubular goods lifting sling.

**Edwards vs. Cape Outfitters** (JKH160) accident investigation and metallurgical failure analysis of spontaneous discharge of an over/under shotgun.

**Garcia vs. John Deere** (JKH170) accident investigation and metallurgical failure analysis of sheet metal pullout failure and pickup rigging of cotton picker.

**Davis vs. Sloan** (JKI180) accident investigation and metallurgical failure analysis of piping failure resulting in propane fire and explosion.

**Porter vs. Primeco & M.H.E.E.I.** (JKI190) accident investigation and metallurgical failure analysis of welds in scissor jack man lift.

**Perkins vs. Air Liquide** (JKI200) accident investigation and metallurgical failure analysis of explosion and fire in oxygen pumping station as the result of improper straining of pipeline welding debris.

**TMJ Device Failure** (JKI210) accident investigation of failed stainless steel jaw implant device used to reposition jaw.

**McGee vs. Elmwood Sensors** (JKJ220) accident investigation and metallurgical failure analysis of electrical switch in deep fryer resulting in fire.

**Cline Truck Accident** (JKJ230) accident investigation and metallurgical failure analysis of chain weld failure in pole truck accident.

**Dallas Hermetic Air Conditioning Crank Shaft Failure** (JKK240) Forensic accident investigation for air conditioner compressor rebuilders of fatigue failure of crankshaft.

**Nowell vs. Ford** (JKK250) metallurgical accident investigation and root cause failure analysis of weld failure on brake pedal leading to automobile accident.

**Boxberger Knodt Rods** (JKK260) metallurgical accident investigation and root cause failure analysis of Knodt rod spinal implant failure.

**Baugus vs. Bizmart** (JKK270) metallurgical accident investigation and root cause failure analysis of defectively welded chair leg.

**Rakes vs. Simon R.O. Corp.** (JKK280) accident investigation and metallurgical failure analysis of weld on truck mounted pole digger pedestal.

**Meza vs. Dana/Wilson Wichita** (JKL290) accident investigation and metallurgical failure analysis of drilling rig collapse.

**Eskite vs. Channel Home Centers** (JKL300) accident investigation and metallurgical failure analysis of articulating ladder failure.

**Dykes vs. Jackson Gas & Oil** (JIE100 and JMB040) accident investigation and metallurgical failure analysis of propane gas heater connection failure and resulting fire.

**Botts vs. Alumax Aluminum** (JLA010) accident investigation and metallurgical failure analysis of aluminum corrosion from emission of gaseous smoke.

**Fuentes & Seigiera vs. McGuire Industries** (JLB020) accident investigation and metallurgical failure analysis of oil field equipment failure.

**Daniel Irvin vs. Springfield, Inc.** (JLB040) metallurgical accident investigation and root cause failure analysis of shotgun discharge.

**Michael Langston vs. Phillips Petroleum** (JLB050) accident investigation and metallurgical failure analysis of vehicle axle resulting in van rollover.

**Air Liquide Pigtail Incident** (JLB060) investigation of fire and explosion debris after oxygen incident in gas manifold at gas plant.

**Rim Ring Failure** (JLB070) metallurgical accident investigation and root cause failure analysis of rim of mounted tire which exploded.

**Lankford vs. Torch Energy** (JLC080) Forensic accident investigation to determine cause of explosion of natural gas compressor engine.

**Gilchrist vs. Fontaine** (JLD090) metallurgical accident investigation and root cause failure analysis of alleged ladder failure.

**Davis Crane Failure/Joe Mangan Tree Service** (JLD100) evaluation of crane collapse and outriggers boom which struck residence.

**Dolese 805 Mixer Frame Weld Failure** (JLD110) analysis of frame weld failure.

**Sherry vs. Wellmark & Natco** (JLD120) accident investigation and metallurgical failure analysis of fitting on oil field pressure vessel during hydro testing.

**Boyles Galvanizing Co. vs. Protherm Engineering, Protherm, Inc. and Munich Welding, Inc.** (JLE130) accident investigation and metallurgical failure analysis of zinc plating galvanizing kettle tank.

**Hugh Porter vs. Majestic Co. and Eastbrook Builders** (JLE140) Forensic accident investigation of metallurgical evidence in chimney fire.

**Chair Failure** (JLF170), investigation of bowling alley chair at braze repair in chair leg.

**Xylene Drum Explosion** (JLH180) evaluation of explosion of 55-gallon drum containing residual xylene.

**Miller vs. Mid-Continent Aircraft** (JLH190) accident investigation and metallurgical failure analysis on collapse and failure of left main gear on Cessna 421B aircraft upon landing.

**Schrauth Ladder Failure** (JLH200) metallurgical accident investigation and root cause failure analysis of fire truck aerial extension ladder which failed during training exercise.

**What-a-Burger vs. Pitco** (JLI210) accident investigation and metallurgical failure analysis of fire which originated at deep-fry unit electrical switch.

**Deere & Co. vs. Prince Manufacturing** (JLI220) Forensic accident investigation of hydraulic cylinder failure.

**IHP vs. AECC** (JLI230) examination of corrosion of power plant piping for vent pipe which resulted in explosion.

**Lockett Towed Vehicle Release** (JLI240) metallurgical accident investigation and root cause failure analysis of release of towed vehicle from tilt bed truck.

**Estate of Blanc Cancio vs. Hyundai Motors** (JLI250) metallurgical accident investigation and root cause failure analysis of collision involving Hyundai automobile.

**Doyon Drilling Pipe Corrosion** (JLJ260) evaluation of pitting corrosion on drill pipe in mud pit on north Slope.

**Reaves vs. Deer Me Products** (JLJ270) investigation of tree step failure.

**Carolyn Tigert vs. Osteomed** (JLJ280) metallurgical accident investigation and root cause failure analysis of failed TMJ device.

**Leg Implant Device Failure** (JLK290) metallurgical accident investigation and root cause failure analysis of stainless steel nail leg implant.



**Maria Ovieda vs. Austin Coca-Cola Bottling Co., Inc.** (JLK300) accident investigation and metallurgical failure analysis of sight glass in pressurized container.

**David Lovvorn vs. Krauss Lighting & Maxim Lighting** (JLK310) metallurgical accident investigation and root cause failure analysis of chain failure causing chandelier to fall.

**City of Lubbock vs. Steam Specialties** (JLL320) examination of thrust plate/thrust bearing.

**Accident Investigation** (JMA020) and metallurgical examination of failed ladder.

**Fan Hanger Bracket Failure** (JMA030) examination of a house fan bracket failure.

**Sherri Evjen vs. Synthes** (JMB030) metallurgical accident investigation and root cause failure analysis of fatigue failure of TMJ device.

**Gerald Bohall vs. Steve Mahaffey Construction, Inc. and Archer Daniels Midland Co.** (JMC050) investigation of corrosion failure of roofing in feed/grain processing plant which resulted in workman falling through corroded roof.

**Kirby vs. Patterson Energy** (JME060) accident investigation and metallurgical failure analysis of oilfield drilling rig collapse.

**Lawson Petroleum vs. Exxon Corp.** (JME070) accident investigation and metallurgical failure analysis of salt water corrosion of casing strings.

**Keller Step Ladder Failure** (JME080) metallurgical accident investigation and root cause failure analysis of aluminum stepladder supported on uneven sidewalk.

**Intel vs. DKD Electrical Contractors** (JME090) accident investigation and metallurgical failure analysis of electric wire abrasion and arcing inside electrical conduit.

**Deaf Smith Co. Grain Processor vs. Springer Electric Coop** (JMF100) metallurgical accident investigation and root cause failure analysis of wire splice failure and high voltage fire.

**Petra Chemical Co. Chlorine Spill** (JMF110) evaluation of corrosion resulting from chlorine spill.

**Mosley Well Service, Inc. vs. Armco, Inc.** (JMG120) investigation of drilling rig guy line anchor failure.

**Natkin Cap Screw Failure** (JMH130) investigation of screws in evaporative cooler.

**Tradler vs. Pengo, C&L Aluminum Foundry, Inc.** (JMI140) accident investigation and metallurgical failure analysis of aluminum casting and insulator string failure.

**Mosoyoni vs. U.S. Can** (JMI150) metallurgical accident investigation and root cause failure analysis of aerosol can explosion.

**Battery Hold Down Bracket** (JMI160) investigation of aluminum battery hold-down bracket which resulted in electrocution and fire.

**Elias vs. Swanson Auto Repair** (JMJ170) metallurgical accident investigation and root cause failure analysis of automobile frame straightening machine lift (jack) failure.

**Hornsby vs. SPS** (JMJ180) evaluation of role of electrical arcing in range fire.

**Tolbert vs. SPS** (JMJ190) investigation of attachment line to house as result of wind-induced metal fatigue.

**Brandon Gray vs. Affiliated Foods** (JMK200) evaluation of conditions of headlight filament after an accident.

**McDiffet vs. McCollough** (JMK220) evaluation of step ladder failure.

**AC/DC Partnership vs. Ohio Casualty.** (JML230) Forensic accident investigation of corrosion from chlorine spill and hydrochloric acid formation.

**TU Electric vs. F&E Erection** (JNA010) metallurgical accident investigation and root cause failure analysis of dewatering bin corrosion and collapse.

**Spencer vs. Selfix and Dynacast** (JNB020) metallurgical accident investigation and root cause failure analysis of swag hook which caused hammock to fall.

**Louviere vs. Action, Inc., d/b/a Horse & Rider** (JNC030) investigation of horse bit casting failure.

**Donna Fletcher vs. Allsteel, Inc.** (JNC040) accident investigation and metallurgical failure analysis of office chair failure.

**Sage Signs vs. Amarillo Thermo King, Inc.** (JNC050) investigation of wheel separation from a truck.

**Lopez vs. Wescon & Delwood Foods** (JNC060) accident investigation and metallurgical failure analysis of tire rim failure while on truck.

**Kose vs. Cablevision** (JNC070) investigation of drooping cablevision line on to roadway creating hazard for motorcycle operator.

**Duncan Properties Tubing Corrosion** (JNC080) investigation of down-hole corrosion failure of tubing in McMakin #1, Washita County, OK.

**Blanton vs. Flintlock** (JND100) metallurgical accident investigation and root cause failure analysis of candle-making ladder failure.

**Cabrera Grinder Shaft Failure** (JND120) examination of failed grinder shaft.

**Lubbock Commercial Bldg. vs. Maxine's Accents, Inc.** (JNE130) accident investigation and metallurgical failure analysis of arcing failure of electrical appliance wire.

**Honeycutt vs. Neighbors** (JNE140) Forensic accident investigation of copper water pipe failure.

**Vacuum System Acid Damage** (JNE150) Forensic accident investigation for chip manufacturer of acid damage to commercial chip-making vacuum chambers.

**KN Pipeline Rupture** (JNE160) assessment of cause of pipeline failure.

**Sandovall vs. Discount Tire Co.** (JNE170) examination of truck wheel lug failure in wheel and tire accident.

**Daryan vs. Rheem Mfg.** (JNE180) Forensic accident investigation for insurer of leak of residential water heater plastic (polymer) valve.

**Ice Group Addison vs. C.W. Davis Supply, Chill-Con Products, Ltd.** (JNE190) investigation of corrosion failure of heat exchanger tubes.

**Butler vs. Eastern Maine Medical Center** (JNE200) analysis of fractured prosthesis.

**Teague vs. Joint Medical Products** (JNE210) evaluation of failed hip joint implant.

**Wendell Farley vs. Akron Brass** (JNF220) metallurgical accident investigation and root cause failure analysis of fire hose adapter.

**Josefina Vasquez vs. Austin Commercial, Inc.** (JNH230) metallurgical accident investigation and root cause failure analysis of wire rope failure resulting in construction crane boom collapse.

**Pautsky vs. Enserch Exploration** (JNH240) accident investigation and metallurgical failure analysis of rust buildup on valve body.

**Aluminum Hub Towers East** (JNH250) examination for consultant of cracking of aluminum fan hub.

**Camilla Haynes vs. Culpepper Enterprises, Inc.** (JNI270) accident investigation and metallurgical failure analysis of highway grass mower blade which resulted in fatality.

**Water Sprinkler Pipe Leak** (JNI290) accident investigation and metallurgical failure analysis of water sprinkler piping failure resulting in damage to stored pecan crop.

**Delta Dailyfoods Texas, Inc./Automated Ice, Inc.** (JNJ300) investigation of fractured weld on evaporative cooler.

**Perkins vs. Entergy Corp.** (JNK310) accident investigation and metallurgical failure analysis of failure and fire of hydrogen gas pipeline and valve assembly.

**Bolt Failure Analysis** (JNJ320) investigation of aircraft bolt failure.

**Castrellon vs. Villas at Turtle Creek** (JNK330) metallurgical accident investigation and root cause failure analysis of scaffolding support failure.

**Estate of Allen vs. TCA Cable** (JNK340) investigation of dislodged hardware in which logging truck load struck low cable and caused fatality.

**Panhandle Trucking vs. Dave Roberts Leasing** (JOA010) inspection of truck steering gear failure.

**Richard A. McDonald vs. Oilfield Pro Log Services, Inc.** (JOA020) Metallurgical evaluation of oil well metal and tool samples.

**Wicker 1998 Western Star Fire** (JOA030) arson investigation of burned tractor.

**Stephens & Johnson Operating Co., Inc. vs. C&H Pipe Rental & Supply Co., Inc.** (JOA040) metallurgical accident investigation and root cause failure analysis of down-hole tubing failure during acidization of well resulting in question about tubing grade.

**Gonzales vs. Rosa's Café** (JOA050) investigation of explosion of cast aluminum pressure cooker.

**Arto Saw Blade Tip Failure** (JOB060) metallurgical accident investigation and root cause failure analysis of brazed carbide tip on Credo 10" circular saw blade.

**Joyce vs. Raleigh USA** (JOC070) accident investigation and metallurgical failure analysis of welded bicycle frame tubing connection failure.

**Tony Smoker Injury** (JOC080) Forensic accident investigation of racking board component.

**Wilkinsons vs. J.P. Ward** (JOC090) investigation of a gas "T" joint failure with regard to fire.

**Nelson vs. Synthes, Inc.** (JOD100) metallurgical accident investigation and root cause failure analysis of titanium spinal fusion plate failure.

**Ava Greene Johnson vs. Shell Offshore** (JOE110) metallurgical accident investigation and root cause failure analysis of failed wire rope.

**Mills vs. Sherwin Williams Co.** (JOE120) accident investigation and metallurgical failure analysis of paint can.

**Lindell vs. Giant Bicycle** (JOE130) accident investigation and metallurgical failure analysis of bicycle seat bolt failure.

**Endsley vs. Commercial Door Co. of Dallas, Inc.** (JOE140) metallurgical accident investigation and root cause failure analysis of overhead door spring on overhead door at American Airlines at DFW Airport.

**Bridger Oil vs. Boyd Well Service** (JOE150) Forensic accident investigation of oil well rod string failure.

**Olympic Pipeline vs. IMCO** (JOH160) investigation of gasoline pipeline explosion resulting in fatalities.

**U.S. Department of Labor vs. Austin Commercial** (JOJ170) continuation of Vasquez vs. Austin case (JNH230).

**Campbell vs. Stanley Tools** (JOJ180) Forensic accident investigation of chipping failure of hammer.

**Fire Extinguisher Failure** (JOJ190) Forensic accident investigation of fire extinguisher failure.

**Stephanie Milan vs. Don DeCristo Concrete** (JOJ200) accident investigation and metallurgical failure analysis of brace on slab section at building site.

**Union Pacific Warika Derailment** (JOK210) evaluation of metallurgical evidence resulting from train derailment.

**Glascock vs. Pocahontas Ford & Mercury** (JOK220) accident investigation and metallurgical failure analysis of auto wheel studs and loss of vehicle wheel.

**Cameron vs. Harper Trucks Inc. and Wal-Mart Stores, Inc. d/b/a Sam's Club** (JOK230) investigation of two-wheeled cart accident during inflation of tire.

**Norbid Dickman vs. James Morris, Cooper Indus.** (JOK240) metallurgical accident investigation and root cause failure analysis of fire caused by arcing in a light fixture and thermal protector.

**Hernandez vs. Xcel Corp. and Panhandle Forklift** (JOK250) accident investigation and metallurgical failure analysis of battery lid hinge failure.

**Howell vs. Culbertson Stowers, Inc.** (JOL260) accident investigation and metallurgical failure analysis of weld failure on automobile axle housing.

**Haynes & Giffin vs. Bush Hog** (JOL270) metallurgical accident investigation and root cause failure analysis of Bush Hog mower blade fracture.

**Genesis Crude Oil Pipeline Failure** (JOL280) investigation of crude oil pipeline.

**Mansure vs. Hicks** (JOL290) Forensic accident investigation of fire presumed to have electrical initiation.

**U. S. Army Pine Bluff Arsenal Flange Failure** (JPA010) metallurgical failure analysis and investigation of pipe flange carrying liquid white phosphorus.

**Farrell Boating Accident** (JPA020) investigation of boating accident which resulted in fatality.

**Unique Functional Products Spring Failure** (JPA030) evaluation of brittle trailer spring.

**Four Vehicle Accident Trailer Wheel** (JPA040) evaluation of tractor trailer wheel disengagement which resulted in four vehicle accident.

**Crane Wire Rope Failure** (JPA050) investigation of construction crane wire rope failure.

**West Coast Liquidators vs. Broadmoor** (JPA060) metallurgical evaluation of underground piping failure for fire sprinkler system.

**Malden Mills vs. Rhone-Poulenc** (JPB070) accident investigation and metallurgical failure analysis of pipe and boiler components in textile mill fire.

**Whritenour vs. Illinois Tool Works** (JRD010) investigation of failed anchor bolt.

**Buckley vs. Allied Products Corp.** (JRE020) metallurgical accident investigation and root cause failure analysis of Bush Hog mower blade.

**Reyes vs. Quality Iron Works** (JRE030) evaluation of chipping from machine shop press die.

**Mendoza vs. Watson/Hopper, Inc.** (JRJ040) Forensic accident investigation of racking board pin deformation and drilling rig collapse.

**Maine Fire Truck Fitting** (JSA010) investigation of brass high pressure fitting failure and fatality.

**John Soules Food Pipe Failure** (JSA020) investigation of steel pipe failure used in low vacuum ammonia system.

**McLeon vs. Vulcan Materials** (JSA030) metallurgical failure analysis of corroded pipe nipple failure which caused chemical release.

**Rost Litigation** (JSA040) accident investigation and metallurgical failure analysis of truck wheel axle and collision of wheel with vehicle.

**Gary Henson vs. Northern Pipeline Construction Co.** (JSB050) investigation of wheel studs on truck tire resulting in wheel separation.

**Beck Plumbing Leak** (JSB060) investigation of copper water pipe corrosion and electrical arcing.

**Perot Systems Entrance Gate Swing Pins** (JSB070) investigation of fatigue failure of hinge pins for electronic gate.

**Leyva vs. TXU** (JSC080) metallurgical evaluation of pipeline corrosion of natural gas distribution of pipe allowing gas to migrate into water line.

**Julian & Amber DeMine vs. Panhandle Steel Erectors** (JSD100) investigation of improperly heat treated slewing bearing failure on crane during lift which resulted in personal injury.

**Howard vs. J & W Corp.** (JSE110) investigation of wheel lugs on tractor trailer wheels which separated dual wheels from vehicle which then collided with passenger automobile.

**Auto Wheel Failure** (JSF120) metallurgical evaluation of failed aluminum wheel resulting in automobile rollover.

**Bobby Joe King, Marks Crane & Rigging vs. Threldkeld** (JSG130) metallurgical investigation of crane bolt failure associated with slewing gear sereration.

**Hughes SUV Accident** (JSG140) metallurgical accident investigation and root cause failure analysis of multi-truck collision involving four wheel drive u-joint, ball joint and wheel failure.

**1998 Ford Expedition Axle Failure** (JSH150) metallurgical evaluation of fractured rear axle and the contribution of the failure to one-vehicle accident.

**Clinker Cooler Shaft Failure** (JSH160) metallurgical evaluation of clinker cooler shaft failure as a result of design/manufacturing defect.

**Coleman vs. Dunn Roadbuilders** (JSI170) accident investigation and metallurgical failure analysis of wheel lug failures and wheel separation.

**Ibarra vs. Rexcon Industries** (JSI180) metallurgical failure analysis of high pressure hydraulic fitting failure on road paving equipment.

**Blair vs. Sam's Club East, Inc.** (JSI190) metallurgical accident investigation and root cause failure analysis of lawn chair collapse.

**Marotta Wheel Accident** (JSJ200) investigation of right rear dual wheels separation from tractor-trailer while traveling on highway resulting in injuries. Failure due to welding on wheel rim.

**DynMcDermott 316 Sensitization Investigation** (JSK210) determination of possible sensitization of valve materials in petroleum storage facility.

**Walters vs. Trail King** (JSK220) metallurgical accident investigation and root cause failure analysis of trailer pin failure while loading equipment on loading ramp.

**Gryphon Exploration vs. Cliff's Drillings** (JSK230) metallurgical accident investigation and root cause failure analysis of 2 7/8 inch P-110 couplings.

**Litloff vs. Click's Billiards** (JSL240) investigation of motorcycle collision and the involvement of bungee cord wrapped around one of the wheels.

**Forklift Boom Bolts Failure** (JTA010) metallurgical accident investigation and root cause failure analysis of bolts and frame structure on forklift after collision with bridge.

**Clulee vs. Belmont Homes** (JTA020) metallurgical accident investigation and root cause failure analysis of valve retainer nut in kitchen water faucet which caused water leak house flooding.

**Ulrich vs. ATC/Vancom** (JTA030) accident investigation and metallurgical failure analysis of bus door components which deformed and allowed the door to open unexpectedly.

**Terry Brimer Accident** (JTA040) metallurgical accident investigation and root cause failure analysis of stair railing re-weld failure resulting in fatality.

**Martinez vs. Deere & Co.** (JTB050) metallurgical evaluation of farm tractor seat failure.

**Farr vs. Cottrel, Inc.** (JTB060) investigation of load binder chain failure. used to hold automobile in place during highway transportation.

**Bryant Doiron Stool Failure** (JTB070) metallurgical accident investigation and root cause failure analysis of riveted joint failure of 24" stool that collapsed and caused personal injury.

**Jackson vs. Phillips Machine** (JTC080) investigation of misuse and abuse of coal mining shuttle car canopy which resulted in canopy leg failure.

**Bridges vs. Hydra Rig/Varco** (JTC090) investigation of explosive release of stripper bowl adapter plug in oilfield snubbing unit resulting in fatality.

**Estep vs. Trans-Matic Mfg. Co.** (JTC100) accident investigation and metallurgical failure analysis in evaluation of several spot-weld failures in line trimmer clutch.

**Ortega vs. General Tool, Inc.** (JTC110) accident investigation and metallurgical failure analysis of circular saw blade tip failure.

**Mendoza vs. Howell Equipment Co., Inc.** (JTC120) metallurgical accident investigation and root cause failure analysis of swing set S hook failure resulting in injury to child.

**CMD Realty Water Line Failure** (JTC130) investigation of corrosion of 10-inch cooling water line corrosion.

**The Hartford vs. NIBCO, Inc.** (JTC140) accident investigation and metallurgical failure analysis of hot water valve failure due to improper valve installation.

**Rhodes vs. Watts Treating Chemicals, Inc.** (JTE150) investigation of 600 psi ball valve failure during hot oil treatment.

**Burtchett vs. Cedar Fair** (JTE160) examination of several failed bolts on base of amusement park ride.

**Roof Panel Hail Damage** (JTE170) metallurgical evaluation of damage to Duralum steel roofing from extreme hail.

**Sayre vs. Avenger Chassis** (JTE180) metallurgical accident investigation and root cause failure analysis of sprint car roll cage failure.

**Reynolds vs. Massey** (JTE190) engineering analysis of fitting failure on steam coal mining equipment.

**Failure of Boat Ladder** (JTF200) investigation of boat ladder failure.

**Bucci vs. Roderick Clemente, M.D.** (JTF210) accident investigation and metallurgical failure analysis of stainless steel osteotome blade failure during surgery.

**Porras Automobile Accident** (JTF220) investigation of F-150 Ford truck wheel axle failure.

**Katty vs. WTG** (JTF230) investigation of natural gas compressor failure resulting in explosion at a natural gas pumping station.

**Ayre vs. Toastmaster** (JTF240) metallurgical evaluation of a kitchen toaster switch failure and its relation to a house fire.

**Offshore Platform Ladder Failure** (JTG250) metallurgical evaluation of offshore platform ladder failure.

**Gary Swindle vs. The HON Co.** (JTG260) metallurgical accident investigation and root cause failure analysis of re-welded HON office chair.

**Sidener vs. Little Giant Ladder** (JTG270) metallurgical evaluation and failure analysis of hinge failure in articulating ladder.

**O'Dell vs. Ryobi** (JTG280) failure analysis of brazing failure of carbide teeth on circular saw resulting in eye injury.

**Safety Line Snap Hook Failure** (JTH290) engineering examination of safety line snap hook failure.

**Diamond Shamrock vs. Puffer-Sweiven** (JTI310) metallurgical accident investigation and root cause failure analysis of valve failure which resulted in rupture and explosion at Three Rivers Refinery.

**Fricker vs. Excel Machinery** (JTI330) metallurgical failure analysis of strut stub axle welds and collapse of 65-foot long Excel Machinery conveyor used at a quarry.

**Mona Tea Kettle** (JTI340) accident investigation and metallurgical failure analysis of lead in tea kettle braze joint.

**Jerry Mitchell Boat Hook Failure** (JTI350) Forensic accident investigation of boat hook with tow-rope and tube.

**Garza, Carlos Figueroa vs. United Resources** (JTJ370) weld failure evaluation of improperly constructed sump tank which exploded during pressurization by workers at an oil and gas well site.

**Taylor/Bergeron vs. Mark's Backhoe Service** (JTK380) evaluation of cause of leakage in 12-inch gate valve that resulted in gas explosion and refinery fire.



**Ruiz vs. Valley Welding Service** (JTK400) metallurgical failure analysis of trash bin gate hinge failure.

**Spencer vs. Maverick Tube Corp.** (JTK410) accident investigation and metallurgical failure analysis of oilfield casing failure.

**Olsen-Beal Association Wind Farm** (JUA010) Forensic accident investigation of wind generator turbine shaft failure and analysis of loose attachment bolts.

**Palmer vs. Ledwell & Sons** (JUA020) inspection of truck ladder failure from improper use.

**Sharp vs. Altec Industries, Inc.** (JUB030) metallurgical accident investigation and root cause failure analysis of bucket truck bucket components and hydraulic cylinder weld failure.

**Ritz Carlton Construction Project** (JUB040) evaluation of possible and potential long term corrosion damage as a result of Hurricane Ivan at Ritz Carlton construction site in Grand Cayman, Cayman Islands.

**Powell vs. Harper Trucks** (JUB050) accident investigation and metallurgical failure analysis of exploded wheel on two-wheel cart after inflation.

**Morgan vs. Melbourne Hospitality Assoc.** (JUC060) Forensic accident investigation of defendant of malfunctioning hotel elevator.

**Moore vs. JFK Medical Center** (JUC070) failure analysis of surgical instrument which resulted in fragment being left in patient's sinus.

**Welded Stair Railing Failure** (JUD100) Forensic accident investigation of welding defects of wire rope hand rails used in temporary handrail attachment.

**Pioneer Natural Resources, Inc. vs. Coma Well Service, Inc.** (JUE110) accident investigation and metallurgical failure analysis of oilfield tubing line wire rope failure.

**Teweles Copper Pipe** (JUE120) metallurgical evaluation of copper pipe corrosion and failure from rural residence.

**Edmonson vs. Tree City Tool & Engineering** (JUE130) accident investigation and metallurgical failure analysis of automatic welder door mechanism which resulted in door falling and hitting operator.

**Fontneot vs. Dodson Aviation** (JUE140) evaluation of horizontal stabilizer winglet failure on Bell helicopter.

**Cindy Sawyer Ladder Failure** (JUF150) metallurgical accident investigation and root cause failure analysis of step ladder failure.

**Kunkel vs. Bluebonnet** (JUF160) metallurgical accident investigation and root cause failure analysis of rear tractor-trailer wheels detaching and striking pedestrian.

**Tony Edwards vs. CNA Insurance** (JUF170) metallurgical accident investigation and root cause failure analysis of 2003 Ford Explorer Sport Trac spindle failure.

**Garwood vs. J&B Importers** (JUG180) evaluation of bungee cord hook failure.

**Willbros Pipeline Failure** (JUG190) investigation of buckled pipeline fracture in Nigeria, West Africa following terrorist attack.

**Crane Collapse** (JUG200) evaluation of collapsed crane that resulted in damage to residence.

**Taylor vs. Woolley Tool** (JUH210) evaluation of oilfield mechanical tong tool containing casting flaw.

**Carney vs. NIBCO** (JUH220) investigation of in-line gas valve failure during fire.

**Morbark Tub Grinder Failure** (JUJ230) Forensic accident investigation for insurer of cracking and fractures found tub grinder used for grinding trees and brush.

**Flippin vs. Crocker Crane** (JUJ240) investigation of chain link failure in come-along winch which resulted in derrick sliding inside water tower under construction which then resulted in failure of derrick section attachment bolts.

**Creekmore vs. Team Rocket, et al** (JUJ250) metallurgical accident investigation and root cause failure analysis of vertical stabilizer connection on kit aircraft.

**NUCONSTEEL Shaft Analysis** (JUJ260) evaluation of failed shaft fracture surface with high stress concentration due to rotational bending fatigue.

**CAT 322 Excavator** (JUK270) Forensic accident investigation for insurer of effect of electrical current from power line which struck CAT 322 excavator causing electrical arcing damage throughout.

**Hopper vs. Stahlman Plumbing** (JUK290) investigation of residential gas line corrosion and failure leading to newly installed floor furnace.

**Bonita Springs Fire Control and Rescue Fire Station No. 4** (JUL300) Forensic accident investigation of the effect of muriatic acid on newly constructed fire station.

**Water Leak at Hampton Inn, Fort Worth, TX** (JUL310) Forensic accident investigation for insurer of CPVC sprinkler pipe which caused water leak.

**Water Leak at Agape Fellowship** (JUL320) evaluation of water line elbow failure as a result of internal ice formation.

**Christensen Sunfire Pontiac Accident** (JVA010) metallurgical accident investigation and root cause failure analysis of weld failures resulting in separation of front and rear doors of an automobile during a low speed accident.

**Furnace Auger Material ID** (JVC020) metallurgical analysis of failed furnace augers due to casting defects.

**Caldwell vs. Baptist Hospital** (JVC030) evaluation of titanium screen used during cranial surgery.

**Lindy Lott Wrecker Service, Inc.** (JVC040) Forensic accident investigation for insurer of a bus axle.

**Hardt Water Heater Pipe Evaluation** (JVC050) engineering evaluation on corrosion and failure of three-year old water line.

**Astro World vs. Louis Crane & Hoist** (JVC060) accident investigation and metallurgical failure analysis of damage to “Batman Escapes” amusement park ride during teardown and removal.

**Claudia Rivas vs. Rolling Stones, Inc.** (JVC070) forensic metallurgical engineering analysis of truck axle failure resulting in trailer wheels separating from rock hauling trailer.

**Lara Single Vehicle Accident** (JVD080) forensic metallurgical engineering analysis of wheel and axle failure in single vehicle accident.

**Trailer Door Spring Failure** (JVD090) Forensic accident investigation for insurer of trailer door spring failure which resulted in amputation.

**Ford Explorer Wheel Loss** (JVE100) forensic metallurgical engineering analysis of automobile wheel separation resulting in vehicle rollover.

**Truck Service of LA** (JVE110) forensic metallurgical engineering analysis of corrosion and defective weld repair resulting in failure of trailer hydraulic system.

**Cast Iron Milling Machine Crack** (JVE120) evaluation of cast iron milling machine fracture and base failure.

**Fuel Injector Nozzle Clip Evaluation** (JVF130) and accident investigation of fuel injector nozzle clip failure as result of stress corrosion cracking from improper material selection.

**Mega vs. Towbin Dodge** (JVG140) forensic metallurgical engineering analysis of cotter pin failure resulting in wheel separation and loss of control.

**Airgas Propylene Tank** (JVG150) evaluation of integrity of propylene gas cylinders (LX or 4BA240) under full sun conditions.

**Powell vs. M & W Hot Oil, Inc.** (JVH160) investigation of ball valve leak and explosion during oilfield hot oiling operation.

**Harendt vs. Basic Energy Services** (JVH170) investigation of wellhead nipple failure which blew off and resulted in injury.

**Boudreaux vs. Louisville Ladders** (JVH180) Forensic accident investigation of ladder failure.

**Johnson vs. Federal Express** (JVI190) forensic metallurgical engineering analysis of loose steering components and their role in one-vehicle tractor-trailer accident.

**Stanley Screwdriver Analysis** (JVI200) investigation of screwdriver which failed in bending while being improperly used.

**Dennis vs. Furniture Factory Warehouse** (JVJ210) metallurgical accident investigation and root cause failure analysis of defectively welded swiveling bar stool failure while in use at a retail location.

**Jackson & Simmen vs. Texas Specialty Trailers, Inc.** (JVJ220) forensic metallurgical engineering analysis of alleged weld failures in a one vehicle oilfield accident.

**Harmon Tank Rupture** (JVJ230) accident investigation and metallurgical failure analysis of rupture and explosion of airfield tanker during pressure test.

**Lexington vs. Kellogg** (JVK240) investigation of casting defects in plant process motor.

**Tractor Homicide Investigation** (JVK250) forensic metallurgical engineering analysis of two tractors during intentional collision.

**Jeffery Byram Motorcycle Accident** (JVL260) forensic metallurgical engineering analysis of defective welds in a motorcycle frame.

**Charmane Jackson vs. U.S. Kids Golf** (JVL270) metallurgical accident investigation and root cause failure analysis of youth golf club shaft resulting in fatality.

**Thompson vs. Dixon and Tulane University** (JVL280) Forensic accident investigation of wrist plate implant.

**Hopper vs. Equitable Gas and Stahlman Plumbing & Heating** (JVK290) investigation of house explosion purported to have initiated from defect in furnace installation.

**Sanchez vs. Interdynamics, Inc.** (JWA010) metallurgical accident investigation and root cause failure analysis of Freon can explosion during filling of automobile air conditioner.

**O'Brien vs. H<sub>2</sub>O Fires System** (JWA020) investigation of over-torqued bolt failure on sprinkler system coupling.

**LaLonde Motorcycle Accident** (JWB030) forensic metallurgical engineering analysis of motorcycle front fork shock absorber tube failure.

**Rival Crockpot Fire Investigation** (JWB040) metallurgical evaluation of beads on electrical wire believed to be arc beads.

**Stephen Lausen vs. ADP Plumbing** (JWB050) accident investigation and metallurgical failure analysis of fire involving release of acetylene through vent plug.

**Smith's Aerospace Components** (JWC060) evaluation of EB welding on jet engine diffusers.

**Dube vs. Louisville Ladder Group** (JWC080) metallurgical accident investigation and root cause failure analysis of step ladder failure.

**Judith Miller vs. Armadillo Clay & Supplies and Skutt Ceramic Products, Inc.** (JWD090) metallurgical failure analysis of hinge on lid of ceramic firing furnace.

**Valero Refinery Explosion** (JWD100) investigation of flange failure that resulted in propane and hydrofluoric acid explosion and fire.

**Lanclos vs. Crown DBL** (JWE110) engineering failure analysis of oil field casing lift sub.

**Manfred Schweizer Turnbuckle Pin** (JWE120) metallurgical investigation of turnbuckle allowing sailboat mast and main sail to fall into ocean.

**Daniel Akers vs. C&C Marine & Repair and ABC Insurance Co.** (JWE130) metallurgical investigation of marine fork lift wheel explosion.

**XTO Energy Blowdown Pipe Failure** (JWE140) engineering investigation of 90 degree pipe elbow failure when gas blow down was attempted in gas processing plant.

**Volvo Truck Hoe Boom Failure** (JWE150) metallurgical evaluation of multiple weld cracking in backhoe bucket used to off-load coal from barges.

**Holcim Gear Failure Investigation** (JWF160) investigation of gearbox gear failure in cement grinding plant.

**Louisiana Pigment Corp.** (JWF170) Forensic accident investigation for company in the failure of titanium tetrachloride slurry pump rupture and explosion.

**James Four Wheeler Accident** (JWF180) forensic metallurgical engineering analysis of four-wheeler accident and aluminum casting failure.

**Robert Cabell Accident** (JWF190) forensic metallurgical engineering analysis of cause of a failed tractor-trailer flatbed load resulting from an accident.

**304L Stainless Steel Corrosion** (JWG200) metallurgical investigation of corrosion on structural I-beams in food processing plant.

**Tubing Grade Determination** (JWG210) determination of API oilfield tubing grade.

**Highland Springs Pool Corrosion** (JWG220) metallurgical investigation of tile corrosion staining around stainless steel pool ladder and decking.

**Thomas vs. MTS Seating** (JWG230) Forensic accident investigation of a chair failure resulting from multiple broken welds.

**Bruce vs. Mickey Truck Bodies, Inc.** (JWG240) forensic metallurgical engineering analysis of truck air brake system failure.

**Southern Energy Homes/A&G Truck Accident** (JWG250) metallurgical investigation of failed truck hitch.

**Quirit vs. Vornado Air Circulation** (JWH260) Forensic accident investigation of alleged electrical arcing in power cord of electric fan.

**Hawkins Construction Jackhammer Bit** (JWJ270) investigation of fatigue fracture of jackhammer bit resulting in accident.

**Merriweather vs. Zig's Building Supply** (JWF280) forensic metallurgical engineering analysis of trailer hitch tube failure which resulted in horse trailer separation from towing vehicle.

**Potlatch vs. Rubber Roller Co.** (JWJ290) Forensic accident investigation of repeated failure of printing press ink roller shaft ends.

**Cressman Tubular vs. EBS Oil** (JWK300) Forensic accident investigation of oilfield tubular products.

**Collins vs. National Ventures** (JWK310) Forensic accident investigation of standup sea wall connector failure.

**Pirv vs. Glock** (JWL320) metallurgical accident investigation and root cause failure analysis of Portland, Oregon Police Bureau Glock pistols.

**TRX Casing Evaluation** (JWL330) Metallurgical evaluation of repeated down-hole casing failures.

**Huffman Equipment Fluted Pipe Failure** (JXA010) accident investigation and metallurgical failure analysis of stainless steel diesel fill and transfer pipe failure.

**Sunbelt Rental Scissor Lift Trailer Hitch Failure** (JXA030) forensic metallurgical engineering analysis of weld failure resulting in collision between pickup truck hauling a JLG scissor lift and 18-wheeler tractor-trailer.

**Scancilla vs. Brickman Group** (JXB040) forensic metallurgical engineering analysis of wheel bearing and wheel separation.

**Campbell vs. Home Depot** (JXB050) metallurgical accident investigation and root cause failure analysis of Husky ladder failure.

**Mary Arthur vs. Dometic Corp. and Coachmen** (JXB060) accident investigation and metallurgical failure analysis of refrigerator tubing and allegation that tubing rupture initiated fire.

**East Texas Medical Center Stainless Steel Wire Failure** (JXB070) Forensic accident investigation for senior living facility of corrosion and failure of stainless steel hangers holding up ceiling panels.

**Hurricane Katrina Corrosion** (JXB080) evaluation of aging of corrosion on wall after hurricane.

**Zimmerman Library Metal Flange Failure** (JXB090) accident investigation and metallurgical failure analysis of metal flange failure leading to flooding of the University of New Mexico Zimmerman library.

**Cano Petroleum Range Fire** (JXC100) metallurgical accident investigation and root cause failure analysis of arcing and wear on down lines and guy wires involved in range fire.

**Fields & Co. vs. GEODynamics, Inc.** (JXD110) accident investigation and metallurgical failure analysis of oilfield tubing failures in down-hole perforating guns.

**Lubbock County Prison Project** (JXD120) evaluation of internal corrosion of hollow prison cell steel doors.

**Chipper Jack Stand Failure** (JXD130) Forensic accident investigation of mobile wood chipper jack stand failure.

**Copper Tubing/Joint Failure** (JXD150) Forensic accident investigation of copper water tubing joint corrosion and failure at Tulsa Bone and Joint facility.

**Rongeur Failure Surgery** (JXE160) Forensic accident investigation of surgical rongeur.

**M & D Industries Skyjack Wheel Failure** (JXE170) Forensic accident investigation of skyjack (scissor lift) wheel/axle resulting in ejection of worker from platform.

**Water Pipe Line Failure, Billings, Montana** (JXE180) accident investigation and metallurgical failure analysis of waterline failure ten feet under slab in U.S. Armory Bldg., Billings, Montana.

**Energico Petroleum vs. Tadlock Pipe & Rental** (JXF190) accident investigation and metallurgical failure analysis of tubing string failure in well.

**C.C. Forbes Rig Co. Accident** (JXF200) Forensic accident investigation for OSHA of well nipple and tee failure on oil well site.

**Rodkey Copper Water Pipe Corrosion** (JXF210) Metallurgical evaluation of external corrosion and failure of water pipe.

**White vs. Dometic Corp.** (JXF220) accident investigation and metallurgical failure analysis of ammonia refrigeration tubing and relationship of tubing perforation to fire initiation.

**Lopez vs. Health South** (JXF230) accident investigation and metallurgical failure analysis of surgical scissors failure.

**Pierce vs. Rockwell** (JXF250) Forensic accident investigation of cross threading failure of boat tiller arm attachment bracket.

**Boiler Vat Weld Failure** (JXF270) accident investigation and metallurgical failure analysis of weld failure in pigskin boiler vat which resulted in fire.

**Jones vs. Blackstone Medical** (JXG280) metallurgical accident investigation and root cause failure analysis of failed medical anterior cervical plate failure.

**Ervin Failure of Zurn Hot Water Quick Clamp** (JXG290) Forensic accident investigation of failed Zurn Quick Clamp.

**State Farm/Helm** (JXG300) Forensic accident investigation of corrosion caused by electrical activity on copper water pipe.

**Thermodyn Contractors, Inc. vs. Tyco Fire Products** (JXG310) accident investigation and metallurgical failure analysis of copper fuse tube in sprinkler head cold release.

**Runnels vs. McCoy's Plumbing Co.** (JXH320) accident investigation and metallurgical failure analysis of copper hot water line failure.

**Niagara Water Conveyor Link** (JXH340) investigation of corrosion of newly installed conveyor chain used for cellophane wrapping of water bottles.

**Tadlock Pipe Evaluation** (JXH350) Metallurgical evaluation of defective oilfield casing.

**Wells vs. Lowe's Home Center** (JXI360) accident investigation and metallurgical failure analysis of brazing failure of tooth from circular saw blade which resulted in injury to user.

**Robert Finch Water Pipe Leak** (JXI370) Forensic accident investigation of pin-hole leaks in water pipe.

**Kyler Hewig Accident** (JXI380) metallurgical accident investigation and root cause failure analysis of head injuries due to thrown object by Bush Hog mower.

**Martinez vs. Granite Construction** (JXJ400) Forensic accident investigation of failed reinforcing rods in bridge parapet.

**Katie Krafka Rongeur Failure** (JXJ410) metallurgical accident investigation and root cause failure analysis of failed surgical rongeur.

**Christine Powell Spine Rods Failure** (JXJ420) metallurgical accident investigation and root cause failure analysis of pair of medical spine rods which failed during use.

**Panhandle Eastern Pipeline vs. Willbros Engineering** (JXJ430) accident investigation and metallurgical failure analysis of gas transmission pipeline failure.

**Bruner vs. Cedarapids** (JXJ440) metallurgical accident investigation and root cause failure analysis of weld failures in paving equipment.

**BNK Petroleum Pipe Evaluation** (JXK450) accident investigation and metallurgical failure analysis of oilfield tubing.

**Zubia vs. Babcock Equipment Corp.** (JXK460) accident investigation and metallurgical failure analysis of oilfield grab hook failure.

**Roundtree & Associates vs. V & M Star** (JXK470) metallurgical accident investigation and root cause failure analysis of oil well casing separation and failure.

**Tomaselli vs. Medinah Automotive** (JXK480) forensic metallurgical engineering analysis of accident involving 2006 Ford Van.

**Mitchell vs. Tim Long Plumbing** (JXK490) Forensic accident investigation of water pipe leak in residence.

**Lexington Insurance vs. Menzer** (JYA010) accident investigation and metallurgical failure analysis of broken gas pipe connections involved in gas leak which resulted in explosion.

**Willoughby vs. ACE European Group** (JYA020) accident investigation and metallurgical failure analysis of copper water pipe corrosion and failure.

**Tompkins vs. Chaparral Steel, et al** (JYA030) accident investigation and metallurgical failure analysis of hydraulic hose failure.

**Bryan Clark Valve Failure** (JYA040) Forensic accident investigation for insurer of shut-off valve failure.

**Thomas vs. JPS Corp., Dealers Truck Equipment** (JYB050) forensic metallurgical engineering analysis of truck tie down winch failure.

**Basa vs. Bourland & Leverich** (JYB060) metallurgical accident investigation and root cause failure analysis of P-110 tubing coupling failure in gas well.

**Starmer vs. Endocare** (JYC070) metallurgical accident investigation and root cause failure analysis of prostate cancer cryoprobe failure.

**Fletcher vs. Woolsey** (JYD090) forensic metallurgical engineering analysis of motorcycle headlamp filaments involved in two-vehicle accident.

**Bustamante vs. Exline** (JYD100) forensic metallurgical engineering analysis of wheel stud failure allowing tire to separate from trailer.

**Titeflex CSST** (JYD120) accident investigation and metallurgical failure analysis of corrugated stainless steel tubing failure and fire in Wilmington, DE.

**Kerssemakers vs. Barry Reed Poteet and Metro-Tex Utilities Inc.** (JYD130) forensic metallurgical engineering analysis of object thrown by roadside mower.



**Teng Residence Copper Water Line** (JYD310) metallurgical accident investigation and root cause failure analysis of leaking copper water pipe.

**Calhoun vs. Milstead Automotive** (JYE140) accident investigation and metallurgical failure analysis of chain failure during lifting of overloaded sea cargo container.

**Paul Robertson Rigging** (JYE150) investigation of a sailboat fitting failure on rigging while sailing off coast of New Zealand.

**Nationwide vs. Dometic** (JYE160) accident investigation and metallurgical failure analysis of fire allegedly caused by Dometic refrigerator.

**Caywood vs. Voyager** (JYF170) forensic metallurgical engineering analysis of spring failure and undercarriage component failure in a four wheel accident and rollover.

**Brooks vs. Tanner Pipe** (JYF180) accident investigation and metallurgical failure analysis of pin failure on side boom tractor.

**Austin Scaffolding Failure** (JYF190) accident investigation of building scaffolding failure including improper bolting and inadequate assembly.

**Cox/GMAC vs. Dometic** (JYF200) accident investigation and metallurgical failure analysis of fire involving Dometic refrigerator in a recreational vehicle.

**Re-bar Cage Collapse** (JYG210) metallurgical investigation of welds in re-bar cage collapse on a New Orleans bridge project for OSHA.

**McNicoll vs. Northern Tool** (JYG220) metallurgical accident investigation and root cause failure analysis of split rim wheel explosion from garden wagon.

**Ezy-Mount Light Bracket** (JYH240) forensic metallurgical engineering analysis of motorcycle light bracket failure.

**Jones vs. All Crane/Cajun Water** (JYH250) accident investigation and metallurgical failure analysis of crane fitting failure in water transportation container.

**Community Coffee vs. Southern Automation** (JYH260) accident investigation and metallurgical failure analysis of shelving used to store coffee super bags.

**Family of Lewis Timmons vs. AEPC** (JYI270) metallurgical accident investigation and root cause failure analysis of relief valve frangible disk rupture.

**Allstate/McCoy vs. Dometic** (JYI280) Forensic accident investigation for insurer of fire involving Dometic refrigerator.

**Allstate/White vs. Dometic** (JYI290) Forensic accident investigation of fire involved in Dometic refrigerator.

**Murillo vs. Oncor Electric** (JYJ300) accident investigation of electrical arcing and mechanical cutting of locks on a high voltage transformer.

**Teng Residence Copper Water Line** (JYJ310) metallurgical accident investigation and root cause failure analysis of corrugated copper water line failure.

**Sun Western vs. Fairbanks Morse** (JYK320) accident investigation and metallurgical failure analysis of corrosion and fatigue in water pumping station vertical pump.

**Jackson vs. Mag Safe Ammo** (JYK330) accident investigation and metallurgical failure analysis of failed Smith & Wesson Airweight .38 Special.

**Amarillo Gear vs. Airflo Cooling** (JYK340) accident investigation and metallurgical failure analysis of multiple fan blade failures.

**Ladder Failure** (JYK350) metallurgical accident investigation and root cause failure analysis of a step ladder failure.

**Chavarria vs. Big Dog Drilling** (JZA010) accident investigation and metallurgical failure analysis of drilling rig accident.

**Charles Gore Bicycle Frame Failure** (JZA020) investigation of bicycle frame failure.

**John True vs. Dometic** (JZA030) Forensic accident investigation of trailer fire.

**Gullett vs. Phoenix Drilling** (JZA040) accident investigation and metallurgical failure analysis of down-hole drill pipe failure and separation.

**Tezanos vs. Boss Hoss Cycles** (JZB050) forensic metallurgical engineering analysis of motorcycle axle involved in one vehicle accident.

**Tulsa House Fire** (JZC060) accident investigation and metallurgical failure analysis of cause of fire in furnace area.

**Ruiz Cable Evaluation** (JZD090) Forensic accident investigation into failure of flag pole wire cable.

**Webb vs. Wade & Tyson** (JZD100) forensic metallurgical engineering analysis into alleged failure of tractor trailer under-rider guard involved in a trailer rear end collision.

**Mitchell vs. Hughes Materials & Construction** (JZE110) Forensic accident investigation of weld end ring weld failure on trailer chain.

**Tharp vs. Brown & Perkins, Inc.** (JZE120) forensic metallurgical engineering analysis of wire cable failure and dropping of a Peterbilt tractor trailer hood.

**Bountiful RV vs. Dometic** (JZE130) Forensic accident investigation of alleged failure of Dometic ammonia refrigerator causing recreational vehicle fire.

**Gonzales vs. Game Time, Inc.** (JZE150) metallurgical accident investigation and root cause failure analysis of pull up bar attachment bracket failure.

**Newton vs. Moberg Truck Services** (JZF160) forensic metallurgical engineering analysis of wheel lug failure and trailer wheel separation.

**Robert Howell, GLP 14638 vs. Dometic** (JZF170) Forensic accident investigation company of a fire involving a Dometic refrigerator.

**Ervin vs. Ford** (JZF180) forensic metallurgical engineering analysis of jack scissor lift failure.

**International Paper Environmental Corrosion Analysis** (JZF190) accident investigation and metallurgical failure analysis of corrosion test results.

**Union Oil Consolidated** (JZG210) accident investigation and metallurgical failure analysis of multiple oil pipeline failures.

**Dolinar vs. Coleman Mining** (JZI240) accident investigation and metallurgical failure analysis of chipping from a re-bar.

**Caribbean Trailer Wheel** (JZI250) metallurgical failure analysis of trailer axle failure that resulted in trailer rollover.

**Torres vs. El Paso Natural Gas** (JZJ260) metallurgical accident investigation and root cause failure analysis of natural gas pipeline failure.

**Mathurin vs. M/T Pioneer Sunshine** (JZJ270) metallurgical accident investigation and root cause failure analysis of re-welded chair leg failure.

**Pamela Hampton vs. Dover Industrial Products dba Rotary Lift** (JZJ280) accident investigation and metallurgical failure analysis of automotive lift accident.

**Lewandowski vs. Professional Elevator Service** (JZJ290) metallurgical accident investigation and root cause failure analysis of elevator wire rope failure.

**Garcia/Wong vs. Crocker Crane Rentals** (JZK300) accident investigation and metallurgical failure analysis of crane hydraulic cylinder and crane collapse.

**Packaging Corp. of America vs. The Newdell Co., et al** (JZK310) accident investigation and metallurgical failure analysis of valve attachment hardware failures in pulp digester as a result of stress corrosion cracking.

**Figuroa vs. ALACO Ladder Co.** (JZK320) metallurgical accident investigation and root cause failure analysis of extension ladder.

**Irias vs. American Mast Climbers** (KAA010) accident investigation and metallurgical failure analysis of tower scaffolding failure in Austin, Texas.

**Lew Thompson & Son vs. Peterbilt of Springfield, et al** (KAA020) forensic metallurgical engineering analysis of alleged truck fifth-wheel/kingpin failure.

**Melancon vs. Bayouland YMCA** (KAA030) accident investigation and metallurgical failure analysis of a weld failure on exercise equipment at YMCA.

**Tinker Diamond Setting** (KAA050) Forensic accident investigation of diamond ring setting failure.

**APW Wyatt Charbroiler** (KAA060) Forensic accident investigation for industrial company of corrosion of charbroilers.

**Lavender vs. Deer Park Equipment** (KAA070) forensic metallurgical engineering analysis of trailer ball failure and trailer separation accident.

**Coastal Drilling vs. Lemoine Marine** (KAB080) metallurgical accident investigation and root cause failure analysis of phenolic limit switch failure.

**U.S. Coast Guard Propeller Exam** (KAC090) investigation of power boat propeller failure.

**Skevers/Travelers vs. Titeflex** (KAC100) accident investigation and metallurgical failure analysis of fire alleged to involve corrugated stainless steel tubing gas line.

**Blue Point Wrench Failure** (KAC110) failure analysis of multiple teeth in ratchet wrench.

**Maria Hendricks vs. Ford Motor Company** (KAD120) forensic metallurgical engineering analysis of automobile jack failure.

**Gina Karbiner vs. Dee King Trucking** (KAD130) forensic metallurgical analysis of failure and separation of tandem trailer wheels in tractor-trailer accident.

**Jose Aguila vs. Spider, a division of Safe Work, LLC** (KAD140) accident investigation and metallurgical failure analysis of building scaffolding failure and collapse.

**Tyson Smith vs. Hastings, et al** (KAF150) metallurgical accident investigation and root cause failure analysis of snatch block failure.

**Adcock/State Farm vs. Dometic** (KAF160) accident investigation and metallurgical failure analysis of role of ammonia refrigerator in recreational vehicle fire.

**Orville Syester vs. Kibbi, LLC** (KAF170) forensic metallurgical analysis wire cable failure made to support door on race car trailer.

**DHS Drill Pipe Failure** (KAF180) investigation of drill pipe failure in oil well resulting in loss of the well.

**Hankins vs. Paula Deen Entry** (KAG210) metallurgical accident investigation and root cause failure analysis into explosion of cooking skillet handle.

**Cudd Casing Collar Failure** (KAI220) investigation of a 6 5/8 collar failure.

**Fisher/Nationwide vs. Dometic** (KAJ230) accident investigation and metallurgical failure analysis of refrigerator named as source of fire.

**Kas vs. Mercedes Benz** (KAL260) metallurgical accident investigation and root cause failure analysis of radiator failures and intrusion of fluids into transmission.

**Briley vs. Columbus McKinnon** (KBA010) accident investigation and metallurgical failure analysis of Columbus McKinnon barge ratchet failure.

**Aries Well Service vs. Hanover** (KBA020) metallurgical accident investigation and root cause failure analysis of cause of workover rig collapse.

**Tire/Wheel Separation on Black Max Electric Generator** (KBC040) metallurgical accident investigation and root cause failure analysis of explosion and separation of electric generator split rim wheel.

**Krusemark vs. Brembo N.A., et al** (KBC060) forensic metallurgical engineering analysis of race track accident involving 2003 Corvette Z06.

**Energico vs. Cactus Well** (KBC070) metallurgical accident investigation and root cause failure analysis of downhole failure of drill pipe and drilling line failure.

**Oak Grove Slope Belt Shaft Failure** (KBD080) investigation of coal mine shaft equipment failure.

**Psencik vs. SeaSpine and Integra** (KBD090) accident investigation and metallurgical failure analysis of spine rod.

**Michael Hilton vs. Union Pacific Railroad** (KBE110) accident investigation and metallurgical failure analysis of alleged failure of radio cabinet attachment wire.

**Knox vs. Everburn, et al** (KBF130) accident investigation and metallurgical failure analysis of equipment that allegedly contributed to propane house fire.

**Valentin Meza vs. XTO Energy** (KBG160) metallurgical accident investigation and root cause failure analysis of pipe failure.

**Acetylene Tank Explosion – Contrack International, Inc.** (KBH180) investigation of explosion of acetylene cylinder in Afghanistan.

**Marshal vs. Westway Sales, Inc.** (KBH190) accident investigation and metallurgical failure analysis of zinc water line fittings.

**Gentleman & Tolliver vs. Factory Co.** (KBK220) metallurgical accident investigation and root cause failure analysis of oil field accident involving weld and hinge on rig walkway.

**Analysis of John Deere 4 Wheel Drive Tractor** (KBK250) investigation of mine scraper failure.

**Terry Dossey vs. Patriot Drilling and Bridge Equipment** (KCA010) metallurgical accident investigation and root cause failure analysis of oil rig pump flange failure.

**Matias vs. Childress Fishing & Rental Service** (KCB040) accident investigation and metallurgical failure analysis of oil field tubing blowout during workover operation.

**James Lawell Ladder** (KCC060) metallurgical accident investigation and root cause failure analysis of ladder failure.

**Fenech vs. Chart Inc. & Chandler, Inc.** (KCD070) metallurgical accident investigation and root cause failure analysis of refrigeration dewar failure.

**DB Thermal Document Review** (KCD080) third party review of failure analysis reports.

**Bolt Failure Analysis** (KCD090) investigation of compromised bolts in South African power plant structure.

**Roberts vs. Wright Medical Tech.** (KCE100) metallurgical accident investigation and root cause failure analysis of Wright medical hip implant failure.

**Kirschenberg vs. Wright Medical** (KCE110) metallurgical accident investigation and root cause failure analysis of Wright hip implant failure.

**Prater vs. Erne Fitting GMBH, et al** (KCF140) accident investigation and metallurgical failure analysis of pipe elbow failure during hydro test.

**Hoffman vs. Dorel Juvenile Group, et al** (KCG170) metallurgical accident investigation and root cause failure analysis of a split rim explosion accident.

**McFadden Aircraft Accident** (KCG200) metallurgical accident investigation and root cause failure analysis of crack in aircraft header.

**OK Pipe Sales vs. Four Point Reclamation** (KCG220) accident investigation and metallurgical failure analysis of pipe failure.

**McDonald vs. Toyota** (KCH260) metallurgical accident investigation and root cause failure analysis of weld failure and drive shaft penetration of gasoline tank.

**Brightman vs. Walmart** (KDB030) metallurgical accident investigation and root cause failure analysis of cookware stockpot handle.

**Enterprise vs. Jensen** (KDB040) accident investigation and metallurgical failure analysis of Jensen pin and clamp failure.

**LN Harvey Investigation** (KDC080) Forensic accident investigation of foreign body in stomach cavity.

**Peralta vs. Permian Basin Derrick Services, Inc.** (KCL320) accident investigation and metallurgical failure analysis of alleged failure of "V" door on drilling rig.

**Neo Vertika vs. H.D. Supply, et al** (KDC090) accident investigation and metallurgical failure analysis of allegedly defective ERW piping.

**Potts vs. Zimmer** (KDD120) metallurgical accident investigation and root cause failure analysis of size of failed knee joint.

**Lexington. vs. Finlanda Sauna Products** (KDF140) fire accident investigation and failure analysis of a sauna heater which resulted in a fire.

**Chesapeake Operating Inc. vs. Innovative Wellsite Systems, Inc.** (KDG150) accident investigation and metallurgical evaluation of failed well head on high pressure gas well.

**Garris vs. Pelonis Appliance** (KDH160) failure analysis of ceramic heater and relation to fire.

**Hernandez, Balatazar vs. Central State Pumping** (KDF130) metallurgical accident investigation and root cause failure analysis of failed concrete pumper component.

**Manning vs. Clarion Inn, et al** (KDJ190) metallurgical accident investigation and root cause failure analysis of shower seat.

**Cain vs. Adams Fertilizer** (KDK200) accident investigation of fertilizer spreader.

**Mercer Wire Rope Failure** (KDK210) metallurgical evaluation of failed wire rope.

**Dale vs. Indian Motorcycle, Int'l** (KDK220) failure analysis of failed motorcycle triple tree steering component.

**Falgoust vs. Phillips 66 & HydroChem** (KDL230) metallurgical failure analysis on collapsed grating.

**Wilhite vs. Summit Steel** (KDL240) accident investigation and metallurgical analysis of failed balcony railing attachment brackets.

**Harper vs. Prestige Concrete** (KEA010) accident investigation on failed concrete truck wheel.

**Escobar vs. American Eagle** (KEB060) metallurgical evaluation of failed cast aluminum wheel.

**Verde vs. Inter-wire** (KED100) failure analysis and engineering evaluation of failed clutch switch spring in manual transmission truck.

**Stephens vs. Franks Plumbing** (KED110) metallurgical evaluation of failed brass water fittings as a result of dezincification.

**Barcelar vs. Inter-wire** (KEG130) accident investigation of failed clutch switch spring in a manual transmission truck.

**Lacy vs. Rosmussen** (KEH140) engineering evaluation and metallurgical analysis of intergranular corrosion on inadequately casted barge dock hooks.

**Diaz vs. Ryder Truck** (KEI170) root cause failure analysis of alleged failure of fifth wheel.

**Coffeyville Resources Refining Pump** (KEJ210) metallurgical evaluation of alleged pump seal failure.

**W-B Supply vs. Northwest Pipe** (KEL290) metallurgical and engineering evaluation of a casing that allegedly failed during fracking resulting in loss of horizontal oil and gas well.