



Welding & Joining Management Group™

FORENSIC EXPERTS • METALS TESTING

Dr. Jesse A. Grantham, P.E. - Case Listing

Year	Description	Location	Sworn Testimony
2017	Expert Assessment and designation for bolt failure guy lines concrete	Texas	
2017	Expert Assessment and consultation, thread failure-Baker Hughes Cross Over Sub	Colorado	
2017	Expert Assessment and designation of Small Sample Pipe	Colorado	
2017	Expert Assessment and designation on Large Sample Pipe	Colorado	
2017	Expert Assessment on Sinclair Tank #522	Wyoming	
2017	Expert Assessment on 2 Flanges, weld cracked	Colorado	
2017	Expert Assessment and designation for tank explosion-Encana in Pinedale	Wyoming	Case Settled
2017	Expert Assessment and designation for failure of prosthetic	Washington	
2017	Expert Assessment and designation for failure on 6 5/8" pipe pinhole corrosion	Wyoming	
2017	Expert Assessment and designation for Upper Housing Downhole Tool Fracture	Colorado	
2017	Failure Analysis on Fillet Weld Failure	Wyoming	
2017	Expert Assessment on DTS Strut Rod Damage	Colorado	
2017	Forensic assessment on Polaris Roll-Over Tubing(CMTR)	Colorado	Case Settled
2017	Expert assessment and designation for broken bar stool	Colorado	
2017	Forensic Assessment of bullets(metal content)	Colorado	
2017	Forensic Assessment of 4" Pipe	Colorado	
2017	Forensic Assessment of 10" Steam Pipe Crack	Colorado	
2017	Failure Analysis of Rebar	Colorado	
2017	Expert assessment and expert designation for tubing	Ohio	
2017	Expert assessment and expert designation for corrosion of water-Denver Water Board	Colorado	



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2016	Expert assessment and expert designation for explosion of battery caused by welding procedures	Wyoming	
2016	Expert assessment and expert designation for broken and/or missing weld on lawn mower roll bar	Kentucky	
2016	Expert assessment and expert designation for weld failure on weld positioner	Wyoming	
2016	Expert assessment of fence post weld failure	Washington	
2016	Expert assessment and expert designation for weld failure on hydraulic tube leak on dump truck	Nevada	
2016	Expert assessment and expert designation for failed welds on structural steel weldments on bent pads	Nebraska	
2016	Expert assessment and expert designation for defective welds on skids	Pennsylvania	
2016	Expert assessment of defective weld failure on a pop-up gooseneck hitch	Idaho	
2016	Expert assessment of corrosion damage to welded copper/stainless steel soaking tubs	Colorado	Court (8/8/16)
2016	Expert assessment and expert designation for broken welds on a truck frame	Texas	
2015	Expert assessments and expert designation for an alleged welder workplace injury related to oilfield vacuum truck repair	Texas	Deposition (2/3/17)
2015	Fertilizer tank collapsed	New Jersey	
2015	Assessments with litigation related to Certified welder requirements, skills, experience, training and code compliance.	Colorado	
2015	Assessment of welder's workplace exposure to fumes litigation	Wyoming	
2015	Assessment of welding issues associated with oilfield tanks used for hydraulic fracturing.	Colorado	
2015	Failure analysis on tower arms	Texas	
2015	Failure analysis on apartments	California	
2015	Subrogation - weld failure on catwalk	New Mexico	
2015	Failure analysis of faulty NDT equipment resulting in death	Texas	

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2015	Failure analysis of improper welding resulting in a fire destroying a yacht	California	Deposition (7/8/16)
2015	Assessment of welds on traffic arm	Colorado	
2014	Leak in copper pipe	Utah	Deposition (8/11/15)
2014	Assessment of fire potentially caused by welding	Washington	
2014	Expert assessment regarding welding fumes litigation and alleged disease: Mesothelioma	California	
2014	Failure analysis of welding causing a cell tower to catch fire	Georgia	
2014	Expert assessment regarding MSDS and welding fumes litigation	California	
2014	Consulting regarding welding procedures and nondestructive testing procedures for pump skids	Ohio	
2014	Consulting regarding proper and safe practices while welding in a refinery	California	Deposition (4/17/14)
2014	Evaluate broken bolt in office chair	Colorado	Deposition (2/16/15) Court (7/22/15)
2013	Failure analysis of transmission tower arms	Texas	
2013	Failure analysis of transmission tower arm failures	Texas	
2013	Evaluation of flex plate for welding and weld safety	Colorado	Deposition (10/30/14)
2013	Evaluation of personal injury due to robot welding and improper clothing	Georgia	
2013	Evaluation of personal injury from fall through welded panels	Georgia	
2013	Failure analysis of well-head piping threads, forces involved with thread failure, metallurgical issues associated with pipe threads versus welding and policies / procedures related to the sand trap	Wyoming	
2013	Assessment of welding safety and fire at grain elevator	Oklahoma	
2013	Evaluate vibration of transmission line dampers	Colorado	
2013	Assessment of defective weld repair of an access cover to the rudder of an ocean-going vessel	California	Arbitration (6/6-7/13)
2013	Failure analysis of transmission tower arms	Texas	
2013	Evaluate corrosion failure of sulfuric acid storage tank	Georgia	Deposition

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	floor		(9/23/13)
2013	Failure analysis of transmission tower arm failures	Texas	
2013	Failure analysis of failed weld on ATV arm	Wisconsin	Deposition (7/12/13)
2013	Examination and tests regarding film processor heater filaments	Colorado	
2013	Evaluate welds on failed 30" steam line	Australia	
2012	Expert assessment of drill casing	Colorado	
2012	Analyze broken bolt pieces	Colorado	
2012	Consulting on pipeline construction dispute of magnetized pipe	Colorado	
2012	Assessment of screw-piles	Colorado	
2012	Expert assessment on sprinkler head	Tennessee	
2012	Evaluate failure of collar plate weld on tank bottom	Colorado	
2012	Assessment of ATV rollover protection	Colorado	
2012	Evaluate propane gas line failure/explosion	Colorado	
2012	Assessment of screw-piles	Colorado	
2012	Evaluate failed eye nuts	Colorado	
2011	Pipeline material investigations for bending and welding	Texas	Deposition (7/22/11) Deposition (11/3/11) Court (12/6/11)
2011	Evaluate the use of grease as an aid in the erection of welded steel pipe supports	Colorado	Arbitration (2/23/12)
2011	Construction defect on stairs	Colorado	
2011	Evaluate broken chairs	Colorado	
2011	Evaluate broken chain	Colorado	Deposition (9/13/11)
2011	Plaintiff injured in a fall through unsecured roof hatch opening	California	
2011	Field welding - improper inspection/over inspection; owner interference	California	Deposition (6/13/12)
2011	Assessment of a bicycle accessory rack	California	
2010	Evaluate leak in copper pipe	Utah	

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2010	Metal failure of ATV frame	Colorado	
2010	Corrosion degradation of interior galvanized steel studs	Colorado	Court (3/24/11)
2010	Short failure	Colorado	
2010	Corrosion on post-tension cables	Colorado	
2010	Metal evaluation of hydrovac booster port	Colorado	
2010	Analysis of electric heater	Colorado	
2010	Evaluate exploded muzzle-loader	Colorado	
2010	Wellhead fire	Colorado	Deposition (11/19/10)
2010	Concrete filled elevator shaft - failed round tubing seam	Colorado	
2009	Pipeline material investigations for bending and welding	Texas	Deposition (7/22/11) Trial (12/7/11)
2009	Expert assessment of cracked welds on roof supports in coal mine	Colorado	
2009	Patent case regarding welding wire	Washington DC	
2009	Temperature analysis of refractory material	Texas	
2009	Power plant fire inside tower on demister	Colorado	
2009	Natural gas pipeline explosion resulting in fire	Colorado	Deposition (7/28/09)
2009	Consulting as an expert on designated portions of the pipeline	Texas	
2009	Consulting on minimum preheat and interpass temperatures	Tennessee	
2009	Grain feeder collapsed resulting in injury	Colorado	
2009	Evaluate failed longitudinal weld	Illinois	
2008	Expert assessment of explosion caused by weld failure, negligence	Louisiana	Deposition (11/18/09) Court (12/4/09)
2008	Failure analysis of failed hydraulic ram from a pumper truck	Colorado	
2008	Expert assessment involving burns caused by improper clothing	Louisiana	
2008	Expert assessment of drill stem and boring machine	Montana	

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2008	Expert assessment regarding MSDS and welding fumes litigation	Missouri	
2008	Expert assessment regarding corrosion in flexible stainless steel tubing	New Jersey	
2008	Expert assessment regarding bad welds on a structure/bridge	Nevada	
2008	Failure analysis on broken safety guard rail	Colorado	
2008	Expert assessment regarding MSDS and welding fumes litigation	West Virginia	
2008	Expert assessment regarding an injury resulting from clothing catching fire from welding	Ohio	
2008	Failure analysis involving a broken metal pole resulting in injury	Colorado	Deposition (8/13/09)
2008	Expert assessment regarding MSDS and welding fumes litigation	West Virginia	
2008	Expert assessment regarding possible violation of 4" oil pipeline	Colorado	
2008	Failure analysis involving corrosion on paint remover can resulting in injury	California	
2008	Failure analysis regarding a broken weld on a chair resulting in injury	California	
2008	Expert assessment regarding a propane generator being used in a freezer	Pennsylvania	
2007	Expert assessment regarding MSDS and welding fumes litigation	West Virginia	
2007	Expert assessment regarding MSDS and welding fumes litigation	Missouri	
2007	Failure analysis regarding a broken chair leg resulting in injury	Colorado	
2007	Failure analysis of weld failure on winch guard resulting in injury	Colorado	
2007	Failure analysis regarding an injury to contractor from a fall (fall protection)	Nebraska	Court (10/16/08)
2007	Expert analysis regarding nitric acid re-heater vessel	California	
2006	Failure analysis regarding pipeline rupture resulting in death	Colorado	
2006	Failure analysis regarding a fire at a feed storage facility	Colorado	
2006	Expert assessment regarding MSDS and welding fumes litigation	Missouri	
2006	Forensic analysis regarding accidental death as a result of fire at cement plant; deposition under oath required	Texas	Deposition (4/5/07)
2006	Expert assessment regarding MSDS and welding fumes litigation	Missouri	

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2005	Metallurgical assessment of shaft fracture surfaces on 12" rotor shaft	Arkansas	
2005	Preliminary metallurgical assessment of localized corrosion on two sizes of underground fire water pipe samples	Texas	
2005	Expert interpretation of project specifications for welds on pipeline	Colorado	
2005	Expert assessment regarding MSDS and welding fumes litigation	Missouri	
2005	Forensic analysis of welded strap failure	Texas	
2005	Forensic analysis regarding field examination and findings on railcar after a fire	Colorado	
2005	Expert assessment of broken cabinet weld resulting in injury	New York	Deposition and NY Supreme Court
2005	Forensic analysis of a press brake and shear	Colorado	
2005	Failure analysis of cracks in walls, retaining walls, and apron slabs	Colorado	
2005	Failure analysis of moving truck ramps that fell resulting in an injury	Montana	Deposition
2005	Expert assessment regarding OSHA safety measures on residential construction specifically fall protection on two story construction	Colorado	
2004	Expert assessment and analysis of a Korean reactor	Texas	
2004	Failure analysis regarding field welding for a canopy installation resulted in an explosion	Colorado	
2004	Failure analysis of a fire due to faulty weld	Nebraska	
2004	Failure analysis of pipeline welds in the Gulf of Mexico	Texas	
2004	Expert assessment of H ₂ S leak in hydrolizor sleeves	Arkansas	
2004	Failure analysis regarding gas pipeline welding issues	Colorado	
2004	Expert assessment of 0.934" diameter threaded galvanized stud and end fracture surface	Colorado	
2004	Expert assessment of weld spatter on windows resulting in construction litigation	Colorado	
2004	Failure analysis - Welder injured while welding when an oil/water storage tank exploded	Colorado	

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2003	Consultation as a Safety Expert re: underwater welding resulting in a shoulder injury	Florida	
2003	Failure analysis of poor welds on a safe that burned in a fire	Utah	
2003	Failure analysis on hydraulic mechanism resulting in eye injury	New Mexico	
2003	Failure analysis of master cylinder from light truck	Colorado	
2003	Failure analysis of hay baling farm equipment metal pin	Nebraska	Deposition
2003	Failure analysis re: house fire caused by overheated conductors and/or electric arc welder	Colorado	
2003	Failure analysis of a prefab concrete wall that collapsed during the building process killing three construction workers	North Carolina	
2003	Expert assessment of a fire that destroyed a large egg plant	Arkansas	
2003	Failure analysis, examination and PE Report of a broken haul truck weld	Colorado	
2003	Failure analysis of 3" vent pipe which potentially caused a fire at a ski lodge	Colorado	
2002	Failure analysis and expert testimony re: ladder rung welding and NDT	California	Deposition and Arbitration Court
2002	Failure analysis for TV tower collapse with fatalities and injuries of construction workers	Nebraska	
2002	Engineering assessment of pipe quality at an airport facility	Nebraska	
2002	Failure analysis and examination of possible defective Sanitas Whirlpool Tub	Kansas	
2002	Failure analysis of Vanna Tub Chair weld failure	Kansas	
2002	Preliminary forensic metallurgical evaluations of the ruptured glycol de-hydrator	Texas	
2001	Expert testimony in rock crusher case; deposition under oath required and testimony in court	Pennsylvania	Deposition and Court
2001	Forensic analysis of broken airplane seat – aluminum metallurgical evaluations	Colorado	
2001	Metallurgical evaluation of broken bronze valve at water heater inlet	Washington	
2001	Expert assessment of Benzomatic cylinder – automated brazing metallurgy	Colorado	

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2001	Failure analysis on failed stainless steel gas appliance flex connector – metallurgical evaluations	Colorado	
2001	Assessment of two Acetylene cylinders – explosion and fire investigation	New Mexico	Yes
2001	Expert assessment of allegations that worker received electrical shock from a welding device	Ohio	
2001	Preliminary forensic analysis - 2 pcs. of black steel (gas line) pipe	Colorado	
2001	Failure analysis in school welding safety case	New Mexico	Yes
2001	Metallurgical evaluation and report for drilling company's insurance company	Colorado	
2000	Metallurgy assessment of robot fixtures inadequate for use	Texas	Yes
2000	Failure analysis of unauthorized welded aerospace parts	Oklahoma	
2000	Welding and metallurgical assessment of a propane tank in class action lawsuit	Colorado	
2000	Expert assessment of damaged trailer involving metallurgy and failed aluminum welds	Texas	
1999	Expert assessment of refinery tank explosion, reviewed and assessed welding process circuitry	Texas	Yes