

FOR YOUR REFERENCE FILE

Résumé of
Guy J. Barbera, P.E.



Education: Bachelor of Science, Mechanical Engineering, 1993, California Polytechnic State University, San Luis Obispo. Fields of study: mechanical design, dynamics and strength of materials.

Registration: Mr. Barbera is a Registered Professional Engineer in Colorado.

Experience: Senior Engineer, Jacobson Forensic Engineering, 2005-Present
Senior Quality Engineer & Manager of Supplier Quality Engineering, Quantum Corporation, Colorado Springs, CO, 2000-2005
Senior Engineer & Production Manager, Imation Corp./3M Company, Camarillo, CA, 1993-2000
Engineer Intern, Sandia National Laboratories, Livermore, CA, Summer 1991 & Summer 1992
Automotive Machinist, Carter's Brake and Transmission Service, Livermore, CA, 1987-1990
Apprentice Machinist, Accurate Machine and Engineering, Livermore, CA, 1985-1988

Forensic Engineering: Mr. Barbera conducts motor vehicle accident investigations involving passenger cars, trucks, tractor-trailers, buses, motorcycles, bicycles and pedestrians. He applies his automotive repair and mechanical design experience to analyze the performance and failure of vehicle components including brakes, suspensions, transmissions, and restraint systems.

As a Forensic Engineer, his automotive investigations have included the evaluation of vehicle dynamics and damage, occupant injury mechanics, and driver reactions. Mr. Barbera has also performed time/space analyses and accident site surveys for vehicle collisions. Other forensic engineering investigations have included playground and food service equipment safety, plumbing fitting failure analysis and forklift accidents.

Mr. Barbera's background in product development and manufacturing engineering enables him to provide analyses for a wide variety of mechanical failures including manufacturing equipment, machine guarding and safety devices, and consumer products. He also has a working knowledge of industrial hygiene and safety practices involved with the handling and processing of hazardous and flammable materials.

Engineering Background: Mr. Barbera's academic and technical training are enhanced by his background in general automobile repair as well as his experience rebuilding braking, steering, drivetrain and engine components. He is also experienced with automotive machining, precision metalworking, and a variety of welding and bonding processes.

While with Quantum Corporation, Mr. Barbera validated product mechanical designs through component and subassembly life testing, and developed component tooling such as plastic injection molds and sheet metal stamping dies. He has also qualified a variety of manufacturing processes including resistance welding and adhesive bonding.

As a Mechanical Engineer with 3M/Imation, Mr. Barbera's duties included all phases of design, installation and maintenance of manufacturing equipment. His responsibilities included implementing safety devices and guarding for automated machinery, conveying systems and roll goods processing equipment. As a Production Manager, he performed workplace accident investigations and participated in numerous safety reviews and occupational safety training exercises.

Expert Testimony: Mr. Barbera is qualified to provide expert testimony in court. He has provided engineering analysis for both plaintiffs and defendants.

Professional Affiliations: Mr. Barbera is affiliated with the following professional and technical organizations:

- Society of Automotive Engineers (SAE), Member
- National Society of Professional Engineers (NSPE), Member
- National Academy of Forensic Engineers (NAFE), Correspondent
- Pi Tau Sigma (International Mechanical Engineering Honor Society), Member



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