



CURRICULUM VITAE  
**LOREN D. SACKETT**

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## PROFILE

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Mechanical engineer (BS, PE) with nearly two decades of experience. Graduated Cum Laude with a bachelor's degree in mechanical engineering. Licensed professional engineer (PE), certified safety professional in comprehensive practice (CSP), and a licensed commercial building inspector. Experienced in product design, product safety, risk analysis, and safety analysis.

Senior Engineer at Alpine Engineering and Design, a mechanical engineering consulting company with clients around the United States. Successful projects: aerial lifts, forklift attachments, conveyors, garbage trucks, thrill rides, road construction equipment, exercise equipment, trailers, drilling equipment, manufacturing equipment, safety testing, failure testing, and rear impact guards. Certified operator for scissor lifts, boom lifts, rough terrain forklifts, and counterbalanced forklifts.

Experienced expert witness having drafted many reports in personal injury cases. Performed testing on accused products. Testified in deposition two times.

## CERTIFICATIONS

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- Professional Mechanical Engineer (PE)
  - Utah License # 7796279-2202
- Certified Safety Professional (CSP)
  - Comprehensive Practice License #CSP-34749
- Certified Commercial Building Inspection
  - International Code Council # 9679026
- Certified Forklift Operator
- Certified Counterbalanced Forklift Operator
- Certified Rough Terrain Forklift Operator
- Certified Aerial Boom Lift Operator
- Certified Aerial Work Platform (Scissor Lift) Operator

## EDUCATION

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**Bachelor's of Science - Mechanical Engineering**  
Utah State University  
Cum Laude Graduate  
Academic Scholarship

2002-2005

## CONSULTING FOCUS

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Completed hundreds of consulting projects including: flat-bed trailers, end-dump trailers, side-dump trailers, gooseneck trailers, 5th-wheel trailers, tanker trailers, haz-mat trailers, heavy-haul trailers, scissor lifts, aerial lifts, man lifts, bucket trucks, cherry pickers, trailer bumpers, trailer rear impact guards, trailer underride guards, trailer safety chains, weight-distributing trailer hitches, trailer tarping systems, exercise equipment, garbage trucks, refuse trucks, side loaders, core-drilling equipment, road construction equipment, manufacturing equipment, powered industrial truck attachments, forklift attachments, fall protection, horizontal lifelines, auger conveyors, screw conveyors, belt conveyors, heavy equipment, hydraulic equipment, hydraulic valves, hydraulic cylinders, thrill rides, chairs, folding chairs, shower chairs, seating, safety analysis, risk analysis, and hazard analysis.

## EXPERT WITNESS

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Mr. Sackett has been retained as an expert on over 10 personal injury cases and has testified in some of these. Mr. Sackett has attended multiple expert witness training courses and has experience in the following areas: product liability, premises liability, personal injury, product failure reconstruction, and safety.

Mr. Sackett has been involved in multiple aspects of personal injury litigation including product failure analysis, safety procedures, safety warnings, instructions, and reasonability of actions. The following are a few of the categories of personal injury Mr. Sackett has consulted on:

Slips and Falls	Slew Ring Bolt Failure on an Aerial Lift
Shower Chairs	High-Pressure Water Hose Failure
ATV Winches	Fall Safety System on an Aerial Lift
Sidewalk Maintenance	Trailer Hitch Maintenance/Decoupling
Trailers	Tip-Over of a TV Cart
Agricultural Equipment	Controls Design on a Tow Truck
Hydraulic Cylinder Maintenance	Table Saw Without a Lower Guard
Folding Chair Failure	Construction Elevator Control System
Broken Hydraulic Fitting	Broken Pin on a Boom Lift

## PUBLICATIONS

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- Are you ready for 2023's new trailer-bumper laws? (Trailer Body Builders Magazine, April 2023, page 35)
- Blog posts at [www.alpineeng.com](http://www.alpineeng.com)
  - Breaking Things to Make Trailers Safer
  - Ten Ways to Know if Mechanical Engineering is the Right Career for You
  - The Shocking Truth About Forklift Accident Frequency
  - What to Look for in a Mechanical Engineering Expert
- US Patent # 10,683,176