

EXHIBIT TO TESTIMONY OF  
ROGER SMEDSRUD  
FOR RIDE THE DUCKS OF SEATTLE, L.L.C.

Curriculum Vitae



**Mechanical  
Inspection  
&  
Analysis**

**Roger W. Smedsrud**

**Forensic Mechanic  
Mechanical Reconstruction  
Accident Reconstruction**

**The following is my professional credentials  
Submitted for your examination in order to show  
The essential mixture of education, experience and  
Quality training I possess in the area of  
Mechanical Inspections and Reconstruction,  
Accident Reconstruction of Vehicles and Equipment.**

**Curriculum Vitae**

**Formal Mechanical Training:**

- Holgate Institute of Technology of Aircraft Consisted of 2080 Hrs, power plants, electrical, hydraulics, fuel systems, and airframe. (1966-68)
- Edison, South Seattle and Shoreline Community Colleges (automotive programs) all types of engines, transmissions, brakes (std. and ABS), ignition systems, suspensions, steering, etc. (1968-1975)
- Peterbuilt, Kenworth, Freightliner, Volvo, White, GMC, International, Gillig, Blue Bird. 1969, 78, 92, 2003.
- Caterpillar, Case, Kubota, John Deere, Kamatsu (loaders, backhoes, tractors) (1976, 83, 88, 94, 2000, 2008).
- Case, Caterpillar, John Deere, Kamatso, Gallon, Bobcat, (Heavy and light equipment). (1982, 83, 91, 97, 2000).
- Fire Trucks (Ladder), LTI, Maxim, American La France (1992, 97, 99, 2001). Engines (Pumpers), Pierce, Western States, Mack, Kenworth, E-One, (1992, 95,96, 98, 2001)
- Rockwell, Eaton, Hendrickson (suspensions) (1977, 83, 2001.)
- Bendix , Meritor, Hardex, MGM, Anchor lock , Midland, Williams (brake related) (1972,85,92,99, 2006, 2011)
- Detroit, Cummins, Caterpillar and Navistar Diesel Engines (1979, 87, 94, 98, 2000, 2006).
- Spicer, Allison Transmissions, Road Ranger (1980, 88, 97)
- Ford, Chrysler, Chevrolet, Toyota, BMW, Honda, Nissan automotive classes that consisted of engines, transmissions, suspension, brakes and emissions, etc. (1970, 75, 81, 84, 92, 96, 99, 2001).
- Honda, Kawasaki motorcycles, Cushman. (1977, 84, 96, 99, 2003)
- More types of vehicles upon request.

**Experience and Background**

- Vehicle repair and maintenance  
32 years with the City of Seattle in the equipment maintenance repair shop as a Journeyman Automotive Machinist, Senior Automotive Machinist and Acting Shop Operations Supervisor. My responsibilities were to diagnose, evaluate, repair, and maintain all types of vehicles and equipment. This includes but is not limited to, automobiles, motorcycles, heavy and light trucks, trailers, busses, heavy and light equipment. I have also years of experience with Police vehicles and related equipment, Fire vehicles (Truck, engine, medic units, ladders and all related equipment).
- Forensic Mechanical Inspection and reconstruction.  
Since 1972 to present I have performed a more than over 1000 mechanical inspections, and or reconstruction with documentation on all types of motor vehicles (Cars, SUVs, Trucks, Motorcycles, Semi trucks and trailers, and equipment (Construction) that have been involved in either a traffic collisions, equipment accidents, fraud (repairs, staged accidents and fire). While with the City of Seattle I performed all the vehicle inspections for the Seattle Police Departments Accident Investigation, Fraud, Homicide, and General Assignment units. King County Sheriffs Office Major Accident Reconstruction & Response Unit, since 2002. And numerous other Police Departments and Agencies
- I am available for work both in the civil and judicial arenas. I have worked on more than 950 cases involving both defense/plaintiff.

\*\*\*\*\*PHONE NUMBERS AND ADDRESSES\*\*\*\*\*

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12932 Kent-Kangley Rd. S.E. Suite #449, Kent, Washington 98030

**Inspection History:**

Since 1972 to present I have performed numerous inspections that cover all of the components of a motor vehicle, heavy and light equipment such as the brakes, suspension, steering, engine, transmission, electrical, body, frame, and etc. The types of vehicles, which I have inspected are; cars, suvs, trucks 4000 GVW to 80,000 GVW, trailers, construction equipment (Such as Crawlers, backhoes, loades, ect.) and motorcycles, which have been involved in a traffic collisions ranging from low to high speed impact, also multiple impacts, hidden and secondary damages. Crash data retrieval (CDR). I also inspect vehicles to determine if the damages claimed were caused by the collision, fraudulent claims. More inspection history is available on request.

**Performed these inspections for the following agencies:**

- King County Prosecutors Office, Criminal cases.
- King County Sheriff's Office (Major Accident Reconstruction and Response)
- Seattle Police Department, Accident Investigation, Homicide and Fraud sections. (For 30 years)
- King County prosecutors Office Attorney's, criminal and civil cases.
- Private Attorneys in civil and criminal cases.
- Private re-constructionists
- Federal Bureau of Investigation
- Tukwila Police department, Major Crimes Unit. Auburn Police Department Accident Unit.
- Des Moines Police Department Accident Unit. Snohomish County Sheriff's Office Accident Unit.
- Assigned Counsel, King, Pierce, Thurston, Whatcom, Yakima. Counties.
- Metro Transit
- Private Parties
- Insurance companies:  
Safeco, Farmers, State Farm, Allstate, Progressive, Pemco, Liberty Mutual, American family

**Experienced in:**

- Hydraulic Brakes systems (automobile, truck, trailer boats).
- Air brakes and Systems (wedge and S cam) brake systems for trucks and trailers to 80,000 GVW.
- Electric / surge brakes for trailer.
- Steering (automobile and trucks to 80,000 GVW).
- Suspension (automobile, trucks, and trailers to 80,000 GVW)
- Tires and wheels
- Engines (gasoline and diesel)
- Drive trains (automobile and trucks to 80,000 GVW)
- Transmissions (manual and Automatic)
- Diagnosing (trouble shooting problems and failures)
- Emergency on scene evaluations.
- Emergency Vehicles (Police and Fire)
- Motorcycle failures and repairing.
- Accident and Mechanical reconstruction.
- Vehicle electrical, engine and body.
- More information available on request

**Continuing Accident Reconstruction Specialized Training:**

Traffic Accident Investigation, Reconstruction and Vehicle Inspection Courses taken:

- Tire Forensic  
Michelin Tire Company, Forensic Tire failure Analysis.  
Bremerton, WA. (2000)
- Commercial Vehicle Inspection and Accident Reconstruction  
University of North Florida. I.P.T.M. Institute Police Technology & Management  
Phoenix, Arizona (2001)
- Biomechanics, Water entry, Crash testing.

- ARC Network  
Seattle, WA. (2001)
- Motor Cycle reconstruction and Inspection.  
North Florida State University IPTM  
Alan Baxter (2002, 2006)
- Vehicle Crash Testing (low and high speed), Event Data recorder
- Crash Safety Institute W.R. (Rusty Haight) Texas A&M  
Bellevue, WA. (2004 -2010, 2013)
- Human Factors  
Jeff Muttant, MA.  
Seattle, WA. (2002)
- Damage and Energy Application for Inspection and Collision Reconstruction  
W.R. (Rusty Haight) Collision Safety Institute  
Bellevue, WA. (2002, 2008, 2010)
- Traffic signals & Collision Reconstruction  
Daren Marceau  
Seattle, WA. 2010
- Advanced Reconstruction with CDR Applications  
Greg Russell, Brad Muir (2012) (2014)
- More Information on training upon request.

**Conferences and Seminars attended:**

- W.A.T.A.I.  
Twice yearly meetings  
Multiple locations, Washington (Since 1998 to present)
- ARC Network (Accident Reconstruction)  
Seattle WA. (2001 to date)
- F.A.R.O. (Forensic Accident Reconstructionist of Oregon)  
Momentum / Energy at Low Speed Impact  
Eugene, Oregon (1998, 2006)
- W.A.T.A.I. (Washington Association of Technical Accident Investigators)
- Vector diagramming and using momentum with no zero approach angle.  
Greg Russell  
Seattle WA. 2009, 2011, 2015.
- Forensic Analysis of Seat Belt Systems & Occupant Kinematics.  
Donald J. Felicella  
Burien, WA. (2008, 2012)
- More Information upon request.

**Mechanical Inspection, Mechanical Reconstruction Presentation:**

I. Presentations Made:

- University of Washington Motor Vehicle Conference  
Speaker  
Seattle, WA. (2007, 2009, 2012).
- Kent Police Traffic Section  
Featured Speaker  
Kent, Washington (2005)
- Seattle Police Department (2000 -2012-2013-2014)  
Featured speakers  
Seattle, Washington
- Safeco Insurance Company  
Mechanical failure, Fraudulent repair, suspicious Vehicle fires.  
Redmond, Washington (2007, 2015)
- Seattle Police Department  
One of three featured speakers  
When is a mechanical inspection needed? And what should they look for?  
Twelve Police Agencies represented  
Seattle, Washington (2010 - 2014)

**Professional Memberships:**

- Washington Association of Technical Accident Investigators (WATAI).  
The members are Sworn and civilian professional in the field of Traffic Accident Reconstruction, providing training seminars, testing and field research. I have been a member since 1998 and a Board member since 2006 to date.
- Forensic Accident Re-constructionists of Oregon, (FARO)  
Sworn and civilian professional in the field of Traffic Accident Reconstruction, providing training seminars, testing and field research.

**Licenses and Endorsement:**

- Washington State Drivers License
- Class A CDL (Triples). Air brake certified.
- Tanker
- Motorcycle

**Court Experience:**

Superior Court.

- Criminal Cases: I have testified as an expert witness for the past 39 years. (Vehicular homicides, vehicular assault, homicide and fraud cases)
- Civil Cases: I have testified by way of depositions and court.

**Presentation on:**

**Proper Vehicle Maintenance and or Drugs, Alcohol, Inexperience and Automobiles.**

- West Seattle High School (Auto Shop)  
Invited to address vehicle maintenance, and a career as a Mechanic  
Seattle, Washington (2000, 2002- 2009)
- Kentwood High School  
Invited to address vehicle maintenance  
Kent, Washington (2008)
- West Seattle High School  
Invited to address the students  
Topic: Inexperience, Drugs, Alcohol, and poor chose's and Automobiles.  
Seattle, Washington (2000, 2002- 2009)
- Kentwood High School  
Invited to address the Student  
Topic: Inexperience, Drugs, Alcohol, and poor chose's and Automobiles.  
Kent, Washington (2008)
- Mattson Middle School  
Invited to address the Student  
Topic: Being a good passenger Inexperience drivers, Drugs, Alcohol, and Automobiles.  
Kent, Washington (2002- 2014)
- Church Youth groups 2004 to present.

Respectfully Submitted



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Forensic Mechanic  
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Accident Reconstruction.