



Unified
Engineering
Inc.

John E. Myers, Ph.D., P.E.*

Mechanical Engineering

Dr. Myers is a consulting engineer experienced in review and analysis of a wide array of mechanical systems. He has participated in hands-on testing as well as conceptual design and performance evaluations of a wide variety of industrial and consumer products, both in the context of product development and improvement as well as accident investigation and failure analysis. Examples of equipment that he has evaluated include outdoor power equipment, construction equipment, material/personnel lifts, elevators and escalators, ladders, industrial machinery, natural gas fuel systems, cookware, garage door openers, exercise and leisure equipment, bicycles, high pressure temperature seals, pressure relief valves, shock absorbers and power-operated doors. He also has experience with internal combustion engines including lubrication, emissions, and deposits as well as with compressed natural gas refueling systems, gasoline fueling equipment, and Stage II vapor recovery systems.

Employment

Unified Engineering, 2012-Present

Principal

Packer Engineering, 1995-2012

Technical Vice President	2003-2012
Director of Mechanical Engineering	1995-2003
Staff Engineer	Jan 1995-Aug 1995

Amoco Oil R&D, 1989-1994

Specialist in Engineering Research Group	1992-1994
Emissions Specialist	1989-1992

Education

1989	Ph.D.	University of Wisconsin-Madison - Mechanical Engineering, Minor in Chemical Engineering
1985	M.S.	University of Wisconsin-Madison - Mechanical Engineering
1982	B.S.	University of Wisconsin-Madison - Mechanical Engineering

Selected Continuing Education

- 2016 Investigation of Gas and Electric Appliance Fires – Fire Findings
- 2016 Determining Negligence in Engineering Failures - PDH Engineer
- 2014 Metallurgy for the non-metallurgist – ASM International
- 2014 Elevator Maintenance Evaluation – American Society of Mechanical Engineers
- 2014 Ethics for Engineers – American Society of Mechanical Engineers
- 2008 Forklift Operator Training
- 2006 BASF Seminar - Traffic Waterproof Toppings, Caulks and Sealants, Waterproofing and Drainage
- 2005 Association of Reciprocal Safety Councils, Inc. Basic Refresher Course
- 2005 Respirator Fit Training
- 2005 BP Texas City Refinery Site Specific Safety Training
- 2005 Lockout/Tagout Training
- 2003 Permit Required Confined Space Training
- 2003 Forklift Operator Training
- 2003 OSHA 10 hour General Industry Course
- 2002 Basic Fluid Power, Parker Hannifin
- 2002 ASME A17.1 Safety Code for Elevators and Escalators
- 2002 How to Perform Elevator Inspections using ASME A17.2.1 and ASME A17.2.2
- 2002 Introduction to Elevators and Escalators, ASME
- 2000 TapRoot® Incident Investigation Training
- 1999 Forklift Operator Training
- 1994 FMEA (Failure Modes and Effects Analysis) Training

Appointments and Professional Societies

University of Wisconsin – Madison - Department of Mechanical Engineering Industrial Advisory Board (2010-2016)
Society of Automotive Engineers (SAE)
American Society of Mechanical Engineers (ASME)
ASM International

Professional Licenses and Registration

*Licensed Professional Engineer in Wisconsin (license No. 29463-6)

Publications

1. J.E. Myers, G.L.Borman, P.S. Myers, “Measurements of Oil Film Thickness and Liner Temperature at Top Ring Reversal in a Diesel Engine,” Society of Automotive Engineers, 900813, (1990).
2. J.E. Myers, M.Myers, P.Myers, “On the Computation of Emissions from Exhaust Gas Composition Measurements,” Transactions of the American Society of Mechanical Engineers, Vol.111, (1989).
3. J.E. Myers, “Factors Affecting the Top Ring Oil Film Thickness at Top Center,” Ph.D. Thesis, Department of Mechanical Engineering, University of Wisconsin-Madison (1989).

Presentations

1. “Measurements of Oil Film Thickness and Liner Temperature at Top Ring Reversal in a Diesel Engine,” Society of Automotive Engineers International Congress and Exposition, Detroit, MI (1990).
2. “On the Computation of Emissions from Exhaust Gas Composition Measurements,” American Society of Mechanical Engineers Internal Combustion Engine Division Technical Conference, San Antonio, TX (1988).

Honors and Awards

- Amoco Torch Award, 1995
- U.S. Army Fellow, U.W. Engine Research Center 1986-1989
- Pi Tau Sigma National Mechanical Engineering Honor Society
- Tau Beta Pi National Engineering Honor Society
- Phi Kappa Phi Academic Honor Society
- Phi Eta Sigma Academic Honor Society