Unified Engineering LP

**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

2023	ANSI MEWP Operator Training
2022	IAAI Advanced Origin and Cause Investigation seminar
2021	Forensic Analysis Involving Fugitive Natural Gas and Propane
2020	ANSI MEWP Operator Training
2020	Concepts for Advanced Electrical Knowledge & Practical Troubleshooting
2020	Post-Flashover Burn Patterns
2018	Design for Construction Safety
2018	Engineering Ethics Case Study
2018	NICOR fire School
2017	DuPage County Fire Investigation Task Force – Combustion Explosions class
2016	Investigation of Gas and Electric Appliance Fires – Fire Findings
2016	Determining Negligence in Engineering Failures - PDHEngineer
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
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)

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
- U.S. Army Fellow, U.W. Engine Research Center
- 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