



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

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

Amoco Oil R&D, 1989-1994

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

Education

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| 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

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| 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 - 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 |
| 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
- 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