



Fluid Power Industrial Consortium (FPIC)



MEETING NOTICE

FRIDAY, September 8th, 2017

InterContinental Milwaukee

— go to the **Lobby Salon** on the **First Floor** of the hotel —

139 E. Kilbourn Avenue Milwaukee, WI 53202

— park in the MSOE Lot on Milwaukee Street north of the corner of Milwaukee and State Streets —

8:00 – 8:30AM

Breakfast, welcome & networking with other consortium members

8:30 – 9:30AM

Title: Hydraulic Fluid Technologies for Enhanced Efficiency, Productivity and Fuel Economy

Presenter: *Paul Michael, Research Chemist MSOE Fluid Power Institute*

Abstract: Improvements in the efficiency, productivity and fuel economy of machinery can be realized through the selection of hydraulic fluids and lubricants that possess the appropriate properties. Seminar participants will learn about the properties of lubricants and how optimized fluid properties can enhance equipment performance.

9:30 – 9:40AM

Break & networking with other consortium members

9:40 – 10:40AM

Title: Energy Efficient Hydraulic Fluids: Case Studies in Mobile and Stationary Equipment

Presenter: *Dr. Sravani Gullapalli, Project Lead Hydraulics Shell Global Solutions*

Abstract: Hydraulics oils can have a significant effect on the energy efficiency and productivity of both mobile and stationary equipment. Using sophisticated models to understand the different sources of energy loss, Shell Technology has designed hydraulics fluids to meet the needs of the entire system. Field trial data in both mobile and stationary equipment will be shared to demonstrate energy savings.

10:40 – 10:50AM

Break & networking with consortium members

10:50 – 11:50AM

Title: Polymer-Based Fluids for Enhanced Hydraulic System Efficiency

Presenter: *David B Gray, I Mech E. North American OEM Manager, Evonik Oil Additives*

Abstract: Multigrade hydraulic fluids that incorporate shear stable polymers have been demonstrated to reduce energy consumption and improve productivity in both mobile and stationary hydraulic equipment. Evonik has more than 10 years of experience in a wide range of hydraulic applications and has developed data that investigates and supports these claims. David Gray will share an overview of the general findings to date in addition to a very detailed breakdown of one recent performance demonstration in which substantial productivity gains were proven.

11:50 – NOON

Meeting Recap and Feedback

Eric Lanke, President & CEO NFPA

NOON – 1:00PM

Lunch for all FPIC Members and Guests

Join us for lunch in the ***Kil@Wat restaurant*** and continue the discussion with your FPIC colleagues.

For further questions, please contact:

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