



**Open House Wednesday
Seminar Lineup:
June 8 - 10th, 2016**

**926 Perkins Drive
Mukwonago, WI 53149
1-262-378-5200 | 1-800-261-8735**

Time	Wednesday June 8th	Room#	Thursday June 9th	Room #	Friday June 10th	Room #
8:15 AM - 9:45 AM	Software Configurable Machine/Cab Systems	5050	Software Configurable Machine/Cab System	5050	Trouble Shooting CAN Control Systems	5050
8:15 AM - 9:45 AM	Hydraulic Systems Filtration	1972	Diesel Fuel Filtration	1972	Hydraulic Systems Filtration	1972
9:45 AM - 10:15 AM	Break Sessions	-	Break Sessions	-	Break Sessions	-
10:15 AM - 11:45 AM	Mobile Control Technology Updates	5050	Mobile Control Technology Updates	5050	Connectivity of Mobile Equipment	5050
10:15 AM - 11:45 AM	Diesel Fuel Filtration	1972	Tier IV and Tier V Engine Cooling	1972	New Advances Mobile Valve Technology	1972
11:45 AM - 1:15 PM	Lunch Break	-	Lunch Break	-		
1:15 PM - 2:45 PM	Trouble Shooting CAN Control Systems	5050	Trouble Shooting CAN Control Systems	5050		
1:15 PM - 2:45 PM	Tier IV and Tier V Engine Cooling	1972	Hydraulic Pumps and Motors Efficiency Evaluation	1972		
2:45 PM - 3:15 PM	Break Sessions	-	Break Sessions	-		
3:15 PM - 4:45 PM	New Advances Mobile Valve Technology	5050	New Advances Mobile Valve Technology	5050		
3:15 PM - 4:45 PM	Connectivity of Mobile Equipment	1972	Hydraulic Pumps and Motors Efficiency Evaluation	1972		
RSVP	Jeanette Cutberth jcutberth@gsg.com		<u>HOTEL INFORMATION</u>	<u>MAP</u>		

Seminar Lineup:

- Software Configurable Machine/Cab Systems: Simplify schematic and wire harness design via configurable software and machine layout options. Reduce engineering design time while achieving customer desired options. A look at new steps where simple software updates can reduce manufacturing variability.
- Mobile Controls Technology Updates: New display technology, new controller technology, new camera systems, and basic connectivity of the machine to the outside world.
- Troubleshooting CAN Control Systems: Techniques to assist Engineers and Field Service Technicians in trouble shooting CAN-based machines. Diagnostic messages from CAN and engine modules. Software and hardware tools to help diagnose CAN messages. CAN layout, design and machine interface.
- Connectivity of Mobile Equipment: Machine connectivity via Wi-Fi, Cellular or Bluetooth. Options for data rates and cell phone issues. What to do with data and best methods to handle data. How connection can be used with today's smart devices.
- New Advances Mobile Valve Technology: Integration of CAN control technology into mobile hydraulic valves. Control options for different valves. Safety and performance advantages of the newer technology valves.
- Diesel Fuel Filtration: New engine and emission technologies require cleaner, dryer fuel creating a demand for new fuel filtration. Bulk fuel tank filtration and water removal from fuel using new filter techniques. Tier IV diesel fuel requirements and OEM challenges to addressing these needs.
- Hydraulic Systems Filtration: Basics of high and low pressure filtration and how these interact and are utilized in machine solutions. Understanding the selection of filter elements and the unique needs of severe environment of mobile systems. Hydrostatic filtration on mobile machinery. Monitoring and diagnostics of machine filtration.
- Tier IV and Tier V Engine Cooling: Requirements and the needs of the OEM. Additional requirements of Tier IV and now Tier V. What to expect for Engine cooling requirements.
- Hydraulic Pump and Motor Efficiency Evaluation: A detailed analysis by Milwaukee School of Engineering and the Fluid Power Institute at MSOE on the impact of pump and motor efficiencies on system performance.