

Hydraulic Systems

Mobile hydraulic applications create a unique and wide variety of issues not found with stationary hydraulic systems. Foaming of the hydraulic fluid is common with inferior lubricants. Foaming of hydraulic fluid can cause many problems; including making the system run at higher temperatures and thinner viscosities thereby increasing wear. Poor hydraulic fluid quality can also greatly impact operating efficiency and fuel economy.

Being outside in numerous environments provides hydraulic systems with constant exposure to water which can enter the system. Once water is in a system using conventional oil, the potential for wear is greatly increased and frequent oil changes may be necessary. The ability of AWI to readily separate from water allows easy water drainage from the system. AMSOIL AWI prevents oil/water emulsions that inhibit lubrication and allows for longer lubricant life and wear reduction.

Neglect is common with hydraulic applications and changing hydraulic fluid is not often found high on the priority list for many small businesses. By offering hydraulic oil that works in all seasons, AMSOIL saves business owners time and money, while increasing efficiency and wear protection.

Equipment Suffering Points

- Water in system – Conventional oils do not readily separate from water
- Summer ISO 68 / Winter ISO 32 oil Change Over
- Change over grade mixing
- Loss of Power- Pump Efficiency
- Loss of Fuel Efficiency
- Loss of Productivity
- Foaming –Erratic Operation
- Pump Wear
- Hose and control failures due to high temps and wear
- Oil Leaks
- Equipment cool down – Moisture enters system through vents and condensation

AMSOIL Solution

- Extended oil drain intervals
- Amsoil AWI –ISO 46 covers ISO ranges 22 to 100
- Eliminates seasonal oil changes
- Improved Pump Efficiency – More Power
- Reduced Fuel Costs - Due to increased efficiency of Pump and Controls
- Productivity increase up 6% to 15 % - Increased Control Response and faster
- Reduced Labor, Repairs and Downtime
- Antiwear protection for high-pressure systems
- Cooler Running – less temperature difference and moisture ingress
- Conditions Seals – Better Additive Package
- Recommended for gear, vane and piston pumps
- Better Additive Package - Contain Rust, Oxidation and Foam Inhibitors
- Designed for extreme temperature operations
- Hydrolytically stable and readily separates from water
- Improves mobile equipment efficiency(mehf) maximum efficiency hydraulic fluid
- Pour points range from -45 to -60
- Contact info- www.jimdoil.com or call cell 612-209-0917