



"The First in Synthetics"®

Industrial Synthetic Lubricants

PRODUCT DESCRIPTION

AMSOIL Synthetic AW Series Antiwear Hydraulic Oils are shear stable, long-life lubricants based on high quality synthetic oil technology. These oils are formulated with a premium additive system that inhibits oxidation (preventing acid and viscosity increase), inhibits rust, and inhibits foam (preventing spongy hydraulics). AMSOIL AW Oils also contain a very effective zinc-based antiwear/antioxidant additive which prevents wear in high speed, high pressure vane and gear pumps while meeting the lubrication requirements of axial piston pumps having bronze-on-steel metallurgy. AMSOIL AW Oils are designed for long life and typically reduce maintenance costs by extending drain intervals and reducing labor associated with repairs, down time, and change outs.

AMSOIL Synthetic Base Oil Technology

AMSOIL's synthetic base oils resist thermal and oxidative breakdown, preventing carbon or varnish deposits. The very high viscosity indices, low pour points, and lack of paraffins (wax) make these good all season lubricants well suited for temperature extremes. At high temperatures and pressures, these oils will provide a good lubricating film and protect components against wear. During cold temperature operation, equipment will start easier and the need for preheating with sump heaters is reduced. The AW Series base oils also readily separate from water. This prevents unwanted oil/water emulsions that inhibit an oil's ability to lubricate, allows for longer lubricant life, and means water can easily be drained from the sump.

PERFORMANCE FEATURES

- Anti-wear protection for high pressure systems
- Recommended for gear, vane and piston pumps
- Rust, oxidation and foam inhibited
- Designed for extreme temperature operations
- Hydrolytically stable and readily separates from water

SYNTHETIC AW SERIES ANTIWEAR HYDRAULIC OILS

APPLICATIONS OR REQUIREMENTS

- Denison HF-0, HF-1 and HF-2
- Vickers M-2950-S and I-286-S
- Cincinnati Milacron P-68, P-69 and P-70
 - U.S. Steel 127 and 136
- Racine, variable volume vane pumps
 - DIN 51524, Part 2
 - AFNOR E 48-603
 - Ford M-6C32
- GM LH-04-1, LH-06-1 and LH-15-1
 - Lee Norse 100-1
 - Jeffrey No. 87
 - BF Goodrich 0152
- Commercial Hydraulics *

* Except for PM-500 series silver-containing pumps which require R&O additive systems.

APPLICATION RECOMMENDATION

The correct viscosity grades of AMSOIL Synthetic AW Series Antiwear Hydraulic Oils are recommended for high and low pressure gear, vane and piston stationary and mobile hydraulic systems. They meet the performance requirements of all major hydraulic manufacturers and are excellent for general purpose use where extended drain intervals are desired and in severe duty operations where temperature extremes are encountered. Even though recommended for all-season use, AWF and AWG are the preferred choice for temperatures less than -20°F because these oils are light-bodied and have very good cold temperature properties.

Some applications include machine tools and presses, mobile construction equipment, farming equipment, logging trucks, boom trucks and plastic injection molding machines. The appropriate viscosity grade of AW Oils are also suitable for use in pneumatic tools, speed reducers, spindles and R & O gear applications

The ability of the AW Series to extend drain intervals is subject to operating conditions and maintenance practices. Monitoring by oil analysis is recommended.

