SEAOIL HYDRAULIC OILS AW SERIES

High Performance Anti-Wear Hydraulic Fluids

SEAOIL Lubricants

Product Description

SEAOIL HYDRAULIC OILS AW SERIES are high-performance anti-wear hydraulic fluids formulated using carefully selected Group II base oils and advanced additive technology designed to provide reliable protection and efficient hydraulic system performance across a wide range of industrial and mobile hydraulic applications.

The formulations provide excellent anti-wear protection, oxidation stability, rust and corrosion protection, and resistance against foam and air entrainment. They are engineered to maintain hydraulic system cleanliness, support water separation characteristics, and deliver stable lubrication performance under varying operating temperatures and pressure conditions.

SEAOIL HYDRAULIC OILS AW SERIES are suitable for hydraulic systems operating under moderate to severe service conditions where ISO HM and DIN HLP type anti-wear hydraulic fluids are specified.

Specification and Requirements

- DIN 51524 Part II (HLP Types)
- ISO 11158 (HM Category)
- ASTM D6158 (HM Fluids)
- Cincinnati Machine P-69

Product Sizes

☑ 200 Liters ☑ 18 Liters ☐ 4 Liters ☐ 1 Liter

22nd Floor, The Taipan Place, F. Ortigas Jr. Road,
Ortigas Center, Pasig City, Philippines
Tel. (+632) 397-1010

Main Applications



- Industrial hydraulic systems requiring anti-wear hydraulic fluids
- Hydraulic equipment operating under moderate to severe pressure conditions
- Manufacturing, construction, mining, agricultural, and industrial hydraulic applications
- Hydraulic pumps, vane pumps, piston pumps, and gear pump systems
- Mobile and stationary hydraulic systems requiring ISO HM or DIN HLP performance level fluids

Performance Benefits

- **Excellent Anti-Wear Protection.** Provides reliable protection for hydraulic pumps, valves, and system components operating under load.
- **Good Oxidation Stability.** Resists oil degradation and sludge formation during extended operation and elevated temperatures.
- **Rust and Corrosion Protection.** Protects hydraulic system components against moisture-related corrosion and rust formation.
- **Foam and Aeration Control.** Minimizes foam formation and air entrainment for stable hydraulic system response and efficient operation.
- **Water Separation Capability.** Supports effective demulsibility characteristics for improved hydraulic system cleanliness and protection.

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Test Physical Characteristics

Test Parameter	Test Method	Specification			
ISO Viscosity Grade		32	46	68	100
Appearance	Visual	Clear	Clear	Clear	Clear
Color, ASTM	ASTM D1500	<0.5	<0.5	<0.5	<0.5
Density at 15°C, kg/L	ASTM D7777	0.8639	0.8711	0.8733	0.8729
Kinematic Viscosity at 40°C, cSt	ASTM D445	34.76	46.91	70.55	100.6
Kinematic Viscosity at 100°C, cSt	ASTM D445	5.687	6.945	9.011	11.47
Viscosity Index	ASTM D2270	108	104	101	101

Health and Safety

Based on available information, this product is unlikely to produce any significant hazard on health when used for the recommended application provided in the Material Safety Data Sheet (MSDS). Guidance on Health and Safety is available on the appropriate Material Safety and Data Sheet, which can be obtained from http://www.seaoil.com.ph

Environment

Bring used oil to a permitted container and place. Do not throw it into the drain or soil.

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