

XL 6000 AW 46 Hydraulic Oil

DESCRIPTION

XL-6000 AW 46 Hydraulic Oil is a premium quality antiwear hydraulic fluid designed to provide optimal protection in high pressure applications. XL-6000 AW 46 Hydraulic Oil is made from high quality base stocks and a zinc based additive system to provide excellent oxidation stability, water demulsibility and foam suppression. XL-6000 AW 46 Hydraulic Oil is formulated to provide superior protection against wear, rust, corrosion, and has a dielectric strength of 35kV at time of blending.

APPLICATIONS

XL-6000 AW 46 Hydraulic Oil is designed for use in mobile and stationary hydraulic systems that have vane, piston or gear type pumps and particularly where pressures exceed 1000 psi.

XL-6000 AW 46 Hydraulic Oil can also be used to lubricate lightly loaded reciprocating compressors and as general purpose shop lubricant for motors and bearings. XL-6000 AW 46 Hydraulic Oil exhibits durability and retention of performance that extends fluid and equipment life and meets major pump manufacturers' requirements.

BENEFITS

- 6,000 oxidation stability hours
- Specifically designed to maximize protection of hydraulic pumps
- Formulated with high viscosity index base stocks
- Provides excellent demulsibility and rust protection
- Exemplary antiwear protection
- Helps minimize metal to metal contact in vane and gear pumps
- Superior filterability is provided with excellent thermal and hydrolytic stability to prevent the formation of deposits which may interfere with filtration in equipment with close tolerances
- Exceptional performance across a wide range of operating temperatures

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Meets Performance Requirements:

- ASTM D6158 HL, HM, & HV
- BOSCH REXROTH RDE 90220 AND RDE-90235
- CHINESE STANDARD GB 11118.1 L-HL & L-HM HIGH-PRESSURE AND GENERAL
- DANIELI 0.000.001 TYPE 10 & 11
- DIN 51524 PART 1,2, & 3
- EATON BROCHURE 03-401-2010
- EATON LUBRICANT SPECIFICATION E-FDGN-TB002-E
- EATON VICKERS M-2950 & I-286-S
- FIVES CINCINNATI P-68, P-69 & P-70
- GM LS-2 ANTIWEAR HYDRAULIC OIL
- ISO 11158 HL, HM, & HV
- JCMAS HK P041
- PARKER DENISON HF-1, HF-2, & HF-O
- SAE MS1004
- SWEDISH STANDARD SS 155434:2015
- U.S. STEEL 126
- ZF TE-ML 07H, ZF TE-ML 21M

**Always consult your owners manual for the proper fluid for your equipment.*

TYPICAL PHYSICAL PROPERTIES

ISO GRADE	46
Specific Gravity @ 60 °F	0.8444
Viscosity, Kinematic	
cSt at 40 °C	43.69
cSt at 100 °C	8.07
Viscosity Index	160
Flash Point, °F	425
Pour Point, °C (°F)	-39 (-38)
Color	1.5
Oxidation Stability, Hours to 2.0 TAN, ASTM D 943	6000
Four-Ball Wear, ASTM D4172	
Wear Scar Diameter, mm	0.58
Demulse Properties at 54 °C, mins ASTM D1401, 30 MAX	20
Zinc, ppm	452

Typical test data are average values only. Minor variations which do not affect product performance are to be expected during normal manufacturing.