



ANTIWEAR HYDRAULIC OIL

XL AW ISO 46

DIN 51524

ISO 11158 HL & HM

DENISON HF-0



REFERENCE PHOTOGRAPH

DESCRIPTION

XL AW ISO 46 hydraulic oil is a premium quality antiwear hydraulic fluid designed to provide optimal protection in high pressure applications. XL AW ISO 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 AW ISO 46 hydraulic oil is formulated to provide superior protection against wear, rust, corrosion, and has a dielectric strength of 35kV at time of blending.

FEATURES & BENEFITS

- | | |
|--|---|
| <p>01 5,000 oxidation stability hours.</p> | <p>02 Specifically designed to maximize protection of hydraulic pumps.</p> |
| <p>03 Formulated with high quality base stocks.</p> | <p>04 Provides excellent demulsibility and rust protection.</p> |
| <p>05 Exemplary antiwear protection.</p> | <p>06 Helps minimize metal to metal contact in vane and gear pumps.</p> |
| <p>07 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.</p> | <p>08 Exceptional performance across a wide range of operating temperatures.</p> |

APPLICATIONS

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

MEETS REQUIREMENTS OF

ASTM D6158 HL & HM

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

DIN 51524 Parts 1 & 2

Eaton Brochure 03-401-2010

Eaton Lubricant Specification E-FDGN-TB002

Eaton Vickers M-2950 & I-286-S

Fives Cincinnati P-70

GM LS-2 Antiwear Hydraulic Oil

ISO 11158 HL & HM

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, 21M

* ALWAYS CONSULT YOUR OWNER'S MANUAL FOR THE PROPER FLUID FOR YOUR EQUIPMENT.

CODES & AVAILABLE PRESENTATIONS

PG852-5GL

PureGuard XL AW ISO 46

5 GAL

PERFORMANCE AT A GLANCE

VISCOSITY INDEX

101

FLASH POINT, °F

425

SPECIFIC GRAVITY @ 60 °F

0.8678

TYPICAL TEST DATA

ISO GRADE	46
Specific Gravity @ 60 °F	0.8678
Viscosity, Kinematic cSt at 40°C	44.43
Viscosity, Kinematic cSt at 100°C	6.64
Viscosity Index	101
Flash Point, °F	425
Pour Point, °C (°F)	-36 (-33)
Color	1.5
Oxidation Stability, Hours to 2.0 TAN, ASTM D943	5000
Four-Ball Wear, ASTM D4172 Wear Scar Diameter, mm	0.58
Demulse Properties at 54°C, mins, ASTM D1401 (30 max)	20
Zinc, ppm	406

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

