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PRODUCT DATA SHEET

XL SYNTHETIC HYDRAULIC OIL 100

Product Code 63170

Date: 06/08/2018

DESCRIPTION

XL FULLY SYNTHETIC HYDRAULIC FLUIDS are high performance, zinc-free oils based on poly-alpha-olefin technology blended with the highest quality additives available, producing oils suited to multi-functional applications such as hydraulic, compressor, circulating and bearing oils; also light gear oils. The premium rust, oxidation and foam inhibitors included, together with superior anti-wear additives and demulsifiers promote exceptional chemical and thermal stability, excellent cleanliness, extremely long fluid life, often for the lifetime of the machine, together with superior demulsibility and filtering ability even when badly water contaminated. Excellent air release properties minimize compressibility and prevent noisy and erratic operation of equipment.

APPLICATION

Recommended for the lubrication of a wide range of equipment where high rust and oxidation resistance, anti-wear properties, foam resistance and excellent demulsibility are required. They are particularly suited to all types of hydraulic systems and pumps operating at high speeds including for earthmoving and forestry hydraulic systems, the machine industry, construction and hydroelectric engineering, compressors, bearing lubrication and oil circulation systems.

Grades 32 and 68 are popular in earth moving hydraulics. Specifically recommended for use in the hydraulic systems of mobile and stationary plant.

Gears: May be used in lightly loaded gear boxes containing spur, helical, double helical and straight bevel gears. Not recommended for spiral bevel, hypoid and worm gears or where EP gear oils are called for.

Bearings: Suitable for ball and roller bearings and plain bearings. In selecting a viscosity grade to suit the bearing size, temperature of operation and speed of rotation, the manufacturers' recommendations should be adhered to.

Compressors: Suitable for most types of compressors, particularly reciprocating compressors where non-zinc based additives are called for.

Others: Widely used as turbine oils in hydroelectric engineering and in factory circulating systems. Also suitable for fluid couplings and transmission chains operating in oil tight casings.

New Filling: Mixing of oils is not recommended as dilution of XL Synthetic Hydraulic Fluids reduces performance longevity markedly, however in the event of mixing this product with other oils it is essential to check for compatibility between oils first.

NOTE: XL Synthetic Hydraulic Fluid may remove existing deposits in hydraulic systems.

SPECIFICATION

- Afnor NF E 48-603
- BB HTGD 90117
- BS489
- CEGB 207001
- Cincinnati P38, P55, P54, P57 and P62 (HLP, HVLP)
- Denison HF0
- DIN 51506 (VBL, VCL, VDL)
- DIN 51515 part 1 - DIN51515 part 2
- DIN 51517 part 2
- DIN 51524 part 1, 2 and 3
- DP 6521 (DAA,DAB,DAH,DAG)
- GE GEK 32568 A/C
- MIL -L-17672 D
- Mitsubishi Heavy Industries E00-87182
- TLV 9013
- US Steel 120
- VDMA 24568

CHARACTERISTICS*

TEST	METHOD	TYPICAL VALUE
Density 15°C, g/cm ³	ASTM D7042	0.8390
Kinematic Viscosity 40°C, cSt	ASTM D7042	100
Kinematic Viscosity 100°C, cSt	ASTM D7042	14.0
Viscosity Index	ASTM D2270	140
Flash Point, °C	ASTM D92	>220
Pour Point, °C	ASTM D97	-45
FTIR	ASTM E2412	Match

*Product data shows typical values and do not represent a specification