

## PRODUCT DATA SHEET

# XL HYDRAULIC OIL 46 ZF

Product Code: 62150

Date: 08/10/2018

### DESCRIPTION

XL HYDRAULIC OIL 46 ZF is blended from highly refined severely hydrotreated virgin base oils and the highest quality zinc free additives, producing a far superior oil compared to conventional mineral base oils, suited to multi-functional applications as hydraulic, 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 excellent cleanliness, longer fluid life, demulsibility and filtering ability even when badly water contaminated. Excellent air release properties minimize compressibility and prevent noisy and erratic operation of equipment. A long charge life is achieved due to the exceptional chemical and thermal stability of the additive components in the finished oil.

### APPLICATIONS

Recommended for zinc-free lubrication of a wide range of equipment where high rust and oxidation resistance, anti-wear properties, foam resistance and excellent demulsibility are required. The exceptional performance of the anti-wear additives in the important areas of high-speed / high-pressure pump protection, anti-rust and corrosion, thermal and oxidative stability and filtering ability provides a cost-effective lubricant which reduces equipment downtime. It is particularly suited to all types of hydraulic systems and pumps operating at high speeds.

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: XL HYDRAULIC OIL 46 ZF does NOT contain zinc additive. Suitable for most types of compressors, particularly reciprocating compressors where zinc based additives are not permitted.

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

## **SPECIFICATION**

XL HYDRAULIC OIL 46 ZF meets the following:

- DIN 51524 Part 1,2 &3
- DIN 51515 Part 2
- DIN 51517 Part 2
- DIN 51506 (VBL, VCL, VDL)
- AFNOR NF E 48-603
- VDMA 24568

## **CHARACTERISTICS\***

<b>TEST</b>	<b>METHOD</b>	<b>TYPICAL VALUE</b>
Density 15°C, g/cm <sup>3</sup>	ASTM D7042	0.8640
Kinematic Viscosity 40°C, cSt	ASTM D7042	46.0
Kinematic Viscosity 100°C, cSt	ASTM D7042	6.8
Viscosity Index	ASTM D2270	100
Flash Point, °C	ASTM D92	>220
Pour Point, °C	ASTM D97	-10
FTIR	ASTM E2412	Match

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