

Shear Stable High Oxidation Multigrade Hydraulic Oil

ISO Grade: 46

Product Description

This premium-quality anti-wear hydraulic oil is engineered for superior shear stability and oxidation resistance. It is designed to meet the rigorous demands of modern hydraulic systems by ensuring robust performance across wide temperature ranges. The formula includes zinc-based additives for wear protection and offers excellent rust resistance, rapid air release, and outstanding stability under stress.

Applications

- Ideal for vane, gear, and piston-type pumps operating at pressures exceeding 3000 psi.
- Reduces wear in high-speed, high-pressure systems, extending equipment life.
- Meets or exceeds the requirements of the following specifications:
 - Chinese Standard GB 11118.1 L-HM High Pressure and General
 - Danielli 0.000.001 Type 10 and 11 (ISO 46 and 68)
 - DIN 51524-3 HVLP
 - Eaton Brochure 03-401-2010, Eaton Lubricant Specification E-FDGN-TB002-E
 - Eaton Vickers I-286-S, M-2950-S
 - Fives Cincinnati P-68, P-70, P-69 (ISO 32, 46, 68)
 - GM LS2, ISO 11158 HV, JCMAS HK P041
 - Parker Denison HF-1, HF-2, HF-0
 - SAE MS1004, Swedish Standard SS 155434:2015
 - U.S. Steel 126, ZF TE-ML 07H, TE-ML 21M

Typical Properties

Property	ISO 46
Viscosity @ 40°C (cSt)	47.5
Viscosity @ 100°C (cSt)	9.8
Viscosity Index	199
Flash Point (COC) °F	390
Pour Point °F	-49
API Gravity @ 60°F	34.47
Oxidation Hours	>10,000 hours
Rust Test (ASTM D-665 A & B)	No Rust

*The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.