

PETROMERICA

ANTI WEAR HYDRAULIC OIL VHI AW-46

Petromerica Anti-Wear VHI AW-46 Hydraulic Oil is a premium quality general purpose anti-wear hydraulic fluid containing a zinc/phosphorous additive to minimize wear and provides superior thermal stability, anti-foam, rust, corrosion and oxidation protection in high-speed, high-pressure vane, gear, and piston pumps operating over a wide temperature range. It is formulated according to the ISO viscosity grade classifications to perform in extended service intervals to reduce downtime and increase time between equipment service.

Petromerica Anti-Wear VHI AW-46 Hydraulic Oil meets or exceeds the performance specifications and complies with most industrial, marine and mobile applications where service requirements are normal to moderate and long-term, heavy-duty wear protection is not critical including: AFNOR NF E 48-603 (HM), NF E 48-690, NF E 48-691 • AIST 126 (US Steel) • AIST 127 (US Steel) • ANSI/AGMA 9005 E02-RO • ASLE 64-1 to 64-4, 70-1 to 70-3 • ASTM D6158 • Bosch Rexroth 90220 Type HLP • CETOP RP81H • Cincinnati Machine P-68, P69 & P70 • DIN 51524-2 HLP • DIN 51524-3 • Eaton I0286-S3 (Industrial equipment) • Eaton M-2950-S (35VQ25 Pump test) • GM LS-2 • ISO 11158 categories HH, HL, HM, HR and HV • ISO 20763 Conestoga vane pump test • JCMAS P041 HK Hydraulic Specifications • Parker (Denison) HF-0, HF-1 & HF-2 (T6H20C pump testing) • SAE MS1004 • SEB 181222 specifications for stability and durability.

Benefits and Applications

- Provide superior thermal stability
- Protects against damaging rust, corrosion and oxidation
- Reduces downtime and increase time between equipment service

AW-46 Typical Characteristics - V210722

ISO GRADE	HVI	AW-46
Viscosity @ 100°C, cSt	ASTM D445	8.1
Viscosity @ 40°C, cSt	ASTM D445	46
Viscosity Index	ASTM D2270	>150
Pour Point, °C/°F	ASTM D97	-36 / -33
Flash Point, COC °C/°F	ASTM D92	186 / 337
Oxidation Stability	-	5000+
Demulsibility	ASTM D1401	15
Copper Corrosion	-	1b
Rust Test	-	Pass

Test Method ASTM - Typical test data average values only. Minor variations, which do not affect performance, may occur.

ISO 46 VHI

Meets Cincinnati Machine P-68, P-69, P-70, Denison HF-0, HF-1, HF-2, Vickers 35VQ25, Eaton/Vickers M-2950-S, I0286-S3, Ford M6C32, Chrysler, GM LS-2, and US Steel 127



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HANDLING AND SAFETY INFORMATION - Refer to Petromerica (SDS) Safety Data Sheets for proper handling and safety information. Use the same care and handling as for any petroleum product. Nothing herein shall be deemed to constitute a warranty, express or implied, that said information or data are correct or that the products described are merchantable or fit for a particular purpose, or that said information, data or products can be used without infringing patents of third parties.

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