

PETROMERICA

ANTI WEAR HYDRAULIC OIL AW-46

Petromerica Anti-Wear 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 Hydraulic Oil meets, exceeds, or match 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 • 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 HK P-04 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 - V21-05-27

ISO GRADE		AW-46
AGMA Grade		-
Color		L1.5
Specific Gravity @ 60°F		.861
Viscosity @ 100°C, cSt	ASTM D445	6.8
Viscosity @ 40°C, cSt	ASTM D445	43.6
Viscosity Index	ASTM D2270	113
Pour Point, °C/°F	ASTM D97	-33 / -27.4
Flash Point, COC °C/°F	ASTM D92	242 / 467.6
Demulsibility	ASTM D1401	Pass

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

ISO 46

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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