



GARD NON-CON Hydraulic Oil

Anti-Wear Hydraulic Oil for Electrical Service
Average Oxidation Life Exceeding 3,000 Hours



product information

REV: 05.18.2015



DESCRIPTION

Gard™ Non-Con Hydraulic Fluid is a stabilized non-zinc ashless anti-wear hydraulic fluid developed to meet the requirements of systems which operate in the vicinity of electrical applications. This oil is formulated to meet all basic industry standards of outside and industrial oils of this type.

Gard Non-Con Hydraulic Fluid provides high dielectric strength, environmentally friendly, good protection against rust and corrosion, good water separation, and resists foaming.

BENEFITS

- ❑ Free of zinc and ash forming components
- ❑ Meets requirements for use in electrical applications
- ❑ Environmentally friendly for aquatic and marine applications
- ❑ Meets EPA requirements for acute toxicity in aquatic life
- ❑ Additive approved for USDA HX-01
- ❑ Good water separation characteristics
- ❑ Excellent low-temperature service
- ❑ Low foaming tendencies
- ❑ Also suitable for paper mill, sliding, and roller bearing spur gears

APPLICATION

Gard Non-Con Hydraulic Fluid is recommended in outdoor and mobile hydraulic equipment such as aerial lifts, boom trucks, or cherry pickers where electrical conductivity or other concerns restrict the use of zinc containing oils or where equipment manufacturers recommend the use of this kind of fluid.

Gard Non-Con Hydraulic Fluid may be used in all systems with gear, vane, and piston pumps where premium anti-wear fluids would be recommended.

PERFORMANCE

ISO6743/6 (CKB, CKC)
ISO6743/4 (HM, HV)
ISO12925 (CKB, CKC)
DIN 51517 parts 1, 2, 3 (C, CLP, CLP)
DIN 51524 - 1, 2, 3, (HL, HLP, HVLP)
DIN 15380 (HEES)
AGMA 9005-EO2 (RO, EP)
AFNOR NF E48-603 (HM, HV)

SEB 181-222
VDMA 24318
SS 155434
AIST 127, AIST 136
US Steel 127, US Steel 136
Altec Warmer Weather Oil
General Motors LS-2
Bosch Rexroth RE 90-220

Denison HF-0, HF-1, HF-2
David Brown S1.53.106
Eaton Corporation 03-4012010
Vickers M-2950-S, I286-S
US EPA 821-R02-012, 013
US FDA (NSF) additive approval 143524

TYPICAL PROPERTIES	METHOD	ISO 32
Color, ASTM	D-1500	L 1.0
Specific Gravity @15.6°C	D-1298	0.8806
Viscosity, cSt at 40°C	D-445	30.14
Viscosity, cSt at 100°C	D-445	5.0
Viscosity Index	D-2270	84
Flash Point, COC °C (°F)	D-92	202
Pour Point, °C (°F)	D-97	-27
Copper Corrosion	D-130	1a
RPVOT, minutes	D-2272	2260
Foam Sequence II	D-682	20 / 0
Dielectric Strength, kV	D-877	44 Typical
ML Reference No.		502506



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NOTE:

*** Di-electric Strength is measured at time of packaging. Results may vary at use dependent upon atmospheric and storage conditions.

The information on this Product Data Sheet is believed to be accurate and is typical of current production.

Specifications are subject to change without notice.

Health And Safety Information See separate Safety Data Sheets available on request.

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