

PRODUCT INFORMATION



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L-609 No Sheen Turbine Grade Hydraulic Oil ISO 32 46 68 100 150

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DESCRIPTION

L-609 Hydraulic Oils are premium anti-wear hydraulic oils specifically designed for use in areas sensitive to leaks and/or incidental discharge to the environment.

L-609 Hydraulic Oils are made from severely hydro-treated base stocks and an ashless (zinc-free) additive system that provides superior oxidation stability, water demulsibility, seal conditioners, foam suppression and protection against wear, rust and corrosion.

L-609 Hydraulic Oils meet the performance requirements of traditional anti-wear hydraulic oils, particularly in severe, high output applications such as axial piston pumps.

L-609 Hydraulic Oils have a dielectric strength of 35k V, thus making it non-conductive. The ASTM D877 test is the method for determining dielectric strength.

FEATURES/BENEFITS

- Excellent oxidation stability of **over 15,000 hours** means longer service life and cost savings
- Outperforms other fluids in high efficiency (high temperature, high output) applications where severe stress conditions are placed on the hydraulic fluid
- Excellent antiwear properties which provide the best in wear protection
- Inherently more environmentally friendly thus minimizing any long-term environmental concerns. Suitable for conventional recycling programs unlike vegetable hydraulic oils
- Aromatic-free and have passed the U.S. Coast Guard static sheen test requirements
- Exceeds the U.S. EPA LC-50 test requirements for mysidopsis bahia shrimp, rainbow trout and fathead minnow.

Passes the Static Sheen Test (40CFR 435 Subpart A Appendix 1)

APPLICATION

L-609 Hydraulic Oils designed to use in mobile and stationary hydraulic vane, piston, and gear type pumps that are situated in environmentally sensitive areas. They are particularly suited to high performance industrial applications which utilize axial piston pumps and pressures may exceed 10,000 psi.

L-609 Hydraulic Oils meet the requirements of*:

- Denison HF-0, HF-2
- Cincinnati Machine P 68 (ISO 32), P 69 (ISO 68)
- Vickers for use in M2950-S (mobile) and I-286-S 35VQ25 pump test

SPECIFICATIONS

ISO VG	32	46	68	100	150
API Gravity, ASTM D 4052	32.1	31.61	31.1	30.6	29.8
Pounds per gallon	7.1	7.2	7.3	7.4	7.4
Flash Point, ASTM D92, °F	385	407	410	412	430
Pour Point, ASTM D97, °F	-26	-26	-26	-5	-5
Viscosity, ASTM D445 cSt at 40°C	32	46	68	100	145
Viscosity, ASTM D445 cSt at 100°C	6	7	8.9	11.9	14.2
Water Separation ASTM D 1401, minutes at 130°F	15	15	15	-	-
Water Separation ASTM D 1401, minutes at 180°F	-	-	-	-	-
Viscosity Index, ASTM D2270	106	108	106	106	98
Four-Ball Wear, ASTM D 2266 Scar, mm at 20 Kg	.30	.30	.30	.30	.30
Four-Ball Wear, ASTM D 2266 Scar, mm at 40 Kg	.37	.37	.37	.37	.37
Oxidation Stability ASTM D 943, hrs to 2.0 AN	15000+	15000+	15000+	15000+	15000+
FZG LOAD STAGE PASS DIN 51354	12	12	12	12	12