



ISO-9001 Registered Quality System.
ISO-21469 Compliant.

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PRODUCT DATA

LUBRIPLATE ZF MINUS 70 HYDRAULIC FLUID

DESCRIPTION

LUBRIPLATE ZF Minus 70 Hydraulic Oil is a special zinc-free anti-wear hydraulic oil designed for extreme low temperature operations where high fluid mobility is of utmost importance. This oil has an extremely high viscosity index which guarantees excellent fluidity and very low torque under these adverse cold conditions.

APPLICATIONS

LUBRIPLATE ZF Minus 70 Hydraulic Oil is a heavy duty, high pressure, anti-wear fluid designed for high performance in extreme cold weather operations without sacrificing any of the lubricating qualities of LUBRIPLATE ZF Minus 70 Hydraulic Oil.

ADVANTAGES

- ⇒ ZINC-free anti-wear properties.
- ⇒ Extreme high viscosity index for excellent fluidity at extreme cold temperatures.
- ⇒ Rust and corrosion resistant properties.
- ⇒ Chemical and mechanical stabilities.
- ⇒ Foam suppression properties.
- ⇒ Good heat transfer properties.
- ⇒ Thermal oxidation stability.
- ⇒ -70°F to -80°F pour point.

Typical Test Data

PROPERTY	TEST METHOD	TYPICAL RESULTS*
Viscosity: SUS/cSt @ 210°F/100°C	ASTM D-2161/D-445	44.5/5.5
Viscosity: SUS/cSt @ 100°F/40°C	ASTM D-2161/D-445	83.5/16
Viscosity: SUS/cSt @ 0°F/-17.8°C	Calculated	480/103
Viscosity: SUS/cSt @ -10°F/-23.3°C	Calculated	620/134
Viscosity: SUS/cSt @ -20°F/-28.9°C	Calculated	825/178
Viscosity: SUS/cSt @ -30°F/-34.4°C	Calculated	1,100/237
Viscosity: SUS/cSt @ -40°F/-40°C	Calculated	1,550/333
Viscosity Index	ASTM D 2270	340
ISO Viscosity Grade	N/A	15
API Gravity	ASTM D-287	31.6
Color	ASTM D-1500	L1.5
Flash Point	ASTM D-92	200°F/93°C
Fire Point	ASTM D-92	220°F/104°C
Pour Point	ASTM D-97	-80°F Slow/-62°C
Aniline Point	ASTM D-611	173
Dielectric Strength	ASTM D-877	31.5 kV

PACKAGING AVAILABLE

55 Gallon Drum

Part No.

L0790-062