



LUBRICANTS



Product Data Sheet

Polar Hydraulic Fluid

Synthetic Low Pour Hydraulic Fluid

Maximum performance “polar” synthetic low pour hydraulic oil is a premium hydraulic oil engineered to provide outstanding low temperature properties and wear protection in industrial and mobile equipment operating in a wide range of temperatures. **Polar** low pour hydraulic oil is formulated from high quality synthetic base stocks and a superior anti-wear additive that is designed to have a very high viscosity index, corrosion protection, foam resistance, and thermal stability for outstanding oxidation of 6,000+ hours.

Features and Benefits

- Outstanding Anti-Wear Protection
- Good Water-Separating Properties
- Excellent Oxidation Resistance
- Excellent Water Separation

Applications

- Vane, gear, axial piston hyd. pumps
- Marine on-deck machinery
- Hydraulic and circulating systems
- Hydraulic actuated loading bins

Typical Properties

Product Code	Test Method	334310	334312
ISO Grade		32	46
Viscosity, cSt @ 40°C	ASTM D 445	35.93	47.2
Viscosity, cSt @ 100°C	ASTM D 445	8.03	9.5
Viscosity Index	ASTM D-2270	209	190
Specific Gravity 15.6°C	ASTM D-4052	0.836	0.864
Density, lbs/gal	Calculated	6.96	7.193
Flash Point, °C	ASTM D-92	229	235
Pour Point, °C	ASTM D-5949	-48	-48

These properties are typical of current production, minor variations are to be expected in normal manufacturing.

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