

STERN Premium Wide-Temperature/MV Hydraulic Oil P-Series

STERN Premium Wide-Temp/Multi-Vis Hydraulic Oils are formulated with highly refined distillate stocks, anti-wear agents, rust and oxidation inhibitors. These oils are characterized by multi-grade viscosity properties that allow them to impart improved low temperature flow capability while providing increased service life for hydraulic pumps operated at elevated temperatures. They contain an effective anti-wear agent that helps reduce wear in high-speed, high-pressure vane and gear pumps.

APPLICATIONS

Recommended for mobile, construction, agricultural, industrial equipment, and those hydraulic systems and applications that are subject to wide variations in ambient and system operating temperatures. In a clean dry system, typical value for ASTM D-877, "Dielectric Breakdown Voltage of Insulating Liquids" will exceed 32 Kv.

TYPICAL PROPERTIES

Premium Wide-Temperature/MV Hydraulic Oil	ISO 32	ISO 46	ISO 68
<i>Gravity, API @ 60°F</i>	30.8	30.5	30.0
<i>Viscosity (cSt) at 40°C</i>	34.5	46.7	68.5
<i>Viscosity (cSt) at 100°C</i>	6.7	8.30	11.00
<i>Viscosity Index</i>	155	154	152
<i>Flash Point, (COC), °F</i>	370	400	425
<i>Pour Point, °C(°F)</i>	-40(-40)	-35(-37)	-30(-34)
<i>Neutralization No., TBN-E</i>	0.55	0.55	0.55
<i>Dielectric Strength, ASTM D-877</i>	32 Kv	35 Kv	37 Kv
<i>Rust Test, ASTM D 665A</i>	No Rust	No Rust	No Rust
<i>RBOT, Minutes</i>	900+	900+	900+