# EXTRA HC WIDE-TEMP/MV HYDRAULIC OILS
# ISO GRADES 32, 46, 68

| | Typical Properties | | |
|---|---|---|---|
| ISO GRADE | 32 | 46 | 68 |
| Appearance | Bright/Clear | Bright/Clear | Bright/Clear |
| Gravity, API @ 60 F | 34.0 | 34.0 | 33.5 |
| Viscosity, cSt | | | |
| At 40 C | 33.70 | 48.40 | 67.50 |
| At 100 C | 7.20 | 9.50 | 12.40 |
| Viscosity Index | 185 | 185 | 185 |
| Flash Point, (COC) Deg F | 400 | 430 | 450 |
| Pour Point, Deg F(C) | -45(-43) | -40(-40) | -40(-40) |
| Dielectric Strength, ASTM D-877 | 37 Kv | 37Kv | 37Kv |
| Rust Test, ASTM D 665A | No Rust | No Rust | No Rust |

The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

Extra HC Wide-Temp/Multi-Vis Hydraulic Oils are formulated with HVI paraffinic hydro-processed base stock, anti-wear agents, rust and oxidation inhibitors. These oils are characterized by multigrade 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 year around use in mobile, construction, agricultural, industrial equipment, and those hydraulic systems and applications that are subject to wide variations in ambient and system operating temperatures. These oils meet the requirements of DIN 51524 HVLP. In a clean dry system, typical value for ASTM D-877, "Dielectric Breakdown Voltage of Insulating Liquids" will exceed 35 Kv.