



PURAMAX Arctic Hydraulic Oils

PURAMAX Arctic Hydraulic Oils are super premium, high performance hydraulic oils specifically designed to provide outstanding low temperature properties and wear protection in industrial and mobile equipment operating in a wide range of temperatures.

PURAMAX Arctic Hydraulic Oils are formulated with high viscosity index synthetic base stocks and fortified with a zinc free (Ashless) anti-wear additive system. This superior additive system offers excellent corrosion protection, foam resistance, and oxidation stability that exceeds 8,000 hours. These oils are characterized by multigrade properties that allow them to impart improved low temperature flow capability while providing increased service life for hydraulic pumps operating at elevated temperatures.

APPLICATIONS

- Designed for all-season use in piston, gear and vane hydraulic pumps
- Cherry pickers, bucket trucks and marine hydraulics
- Hydraulic systems in construction, agricultural and industrial equipment
- Systems subjected to very low start up temperatures but higher operating temps & pressure during operation

FEATURES AND BENEFITS

- Extended fluid service intervals
- May eliminate seasonal change-outs – Reduces inventory costs, downtime and chance of misapplication
- Inherently biodegradable zinc free additive system minimalizes environmental impact
- High viscosity index provides excellent hydraulic response at both high and very low ambient temperatures
- Excellent anti-wear protection for pumps, motors, valves and additional hydraulic circuit components
- Foam inhibited to prevent pump cavitation
- Oxidation inhibited to prevent oil thickening

RECOMMENDED PERFORMANCE SPECIFICATIONS

- Denison HF-O, HF-1, HF-2
- Sperry Vickers M-2950-S & I-286-S
- Cincinnati Milacron P-68, P-69, P-70

| PURAMAX Arctic Hydraulic Oils | Typical Characteristics | | |
|--------------------------------------|--------------------------------|-----------|-----------|
| ISO Grade | ASTM-D | 32 | 46 |
| Specific Gravity, @ 15.6°C (60°F) | 4052 | 34.0 | 34.0 |
| Viscosity cSt @ 40°C | 445 | 35.9 | 44.8 |
| Viscosity cSt @ 100°C | 445 | 8.0 | 10.0 |
| Viscosity Index | 2270 | 210 | 221 |
| Flash Point, °C (°F) | 92 | 208(406) | 221(430) |
| Pour Point, °C (°F) | 97 | -48(-54) | -48(-54) |
| Neut. No., | 974 | 0.55 | 0.55 |
| Dielectric Strength | 877 | >37 Kv | >37 Kv |
| Rust Test | 665A | No Rust | No Rust |
| Oxidation Stability | 943 | >8,000 | >8,000 |
| Appearance | Visual | Clear | Clear |

Minor variations in test data are to be expected in normal manufacturing