

Multi-Vis Hydraulic Oil

HARTLAND MULTI-VIS HYDRAULIC OIL is a very high viscosity index hydraulic oil for use in mobile and industrial equipment that must be started at temperatures as low as -29F and will continue to provide protection at temperatures as high as 194G. This product meets SAE 5W20 and ISO 46 Viscosity grades. ALL SEASONS formulation offers superior shear stability performance.

HARTLAND MULTI-VIS HYDRAULIC OIL contains a polymeric viscosity improver and pour point depressant providing low temperature characteristics that may eliminate the need to change hydraulic oil seasonally. It is specially formulated for use in mobile equipment hydraulic circuits where wide temperature ranges are encountered. (Cherry pickers, bucket trucks and marine hydraulics).

It can also be used for traditional in-plant hydraulic applications, and exceeds most industry hydraulic fluid specifications, including: Denison HF-2, HF-0 Commercial Shearing, Vickers, Sunstrand, Rexnord, Cincinnati Milacron.

FEATURES

- Excellent thermal stability – contains the latest thermally stable zinc type additives, virtually eliminating the formation of heat-related sludging in electro-hydraulic servos associated with conventional zinc-type oils.
- Enhances, long lasting anti-wear protection – specially developed additives form a protective layer on the wear surfaces, reducing component wear in high-pressure piston, vane, and gear hydraulic pumps.
- Holds water in dispersion – contains emulsifiers specifically designed to disperse water.
- Low temperature performance – allows start-ups down to -29F; eliminates the need for season fluid changes.
- Improved corrosion protection – protects metal surfaces from rust.

APPLICATIONS/SPECIFICATIONS

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| • Eaton E-FDGN-TB002-E | Bosch Rexroth |
| • Vickers | Oilgear |
| • Denison HF-0 | Hydreco |
| • Komatsu | Dynex |
| • Sauer-Danfoss | ISO 11158HV |
| • DIN 51524 Part 3 HVLP | ASTM D6158 HV |
| • AIST 127 & 127 | |

Typical Properties:

ISO Viscosity	46
Viscosity @ 100 ° C, cSt	7.68
Viscosity Index	159
Pour Point, ° F	-45
Flash Point, ° F	390
Oxidation Test Hours to 2.0 acid number	5000+
Low Temperature Pumpability	Pass
Dielectric, min. KV	+35
Rust Test	Pass

All Season Hydraulic Oil: