



Product Data Sheet

Hydrol HVI Oils

High Viscosity Index Hydraulic Oils

DESCRIPTION

Nemco Hydrol HVI Oils are premium high viscosity index, long-life anti-wear hydraulic fluids designed for use over wide temperature ranges. These oils are recommended for heavy-duty hydraulic applications operating at high pressures and over wide ranges of temperature. Blended from premium quality base oils and fortified with additives to optimize performance, these hydraulic oils are ideally suited for piston, gear and vane hydraulic pumps in outdoor mobile equipment. They offer excellent fluidity at low start-up temperatures, and maintain optimum oil viscosity at high operating temperatures.

Advantages

- Excellent hydrolytic stability
- Superior rust and corrosion protection
- Minimal increase in air entrainment
- Excellent wet and dry filterability per AFNOR NF E48-690, 691
- Outstanding thermal and oxidative stability
- Excellent wear protection for longer pump life

Applications

- Year-round use in mobile and stationary hydraulic systems requiring outdoor anti-wear oil, including excavators, cranes, shovels, drills, crawlers, and boom trucks.
- Sawmills, woodland equipment, snow removal equipment and portable compressors.
- Circulating systems, including those servicing plain and rolling element bearings, in pump crankcases and some electric motor bearings as well as gear sets requiring non-EP gear oils.

Meets and/or Exceeds:

- | | |
|---|------------------------------------|
| • Parker Hannifin (Denison) HF-0, HF-1, HF-2 | • Five Cincinnati P-68, P-69, P-70 |
| • Eaton-Vickers I-286-S, M-2950-S, (brochure 03-401-2010) | • JCMAS HK |
| • DIN 51524 HVLP | • US Steel 127, 136 |
| • GM LS-2 | • ISO 11158 |
| | • SAE MS1004 |
| | • Chinese Standard GM 11118.1 |

Use and Storage

To get the best performance from your equipment ensure products meet or exceed manufacturing requirements. Lubricants typically have a shelf life of 5 years under ideal storage conditions. Keep drums and totes in good condition and away from moisture. Keep bungs securely in place; as bungs breath moisture can seep in over time. Where possible, avoid storage in areas where the temperature fluctuates between extreme highs and lows.

Continued on next page.

Typical physical characteristics – Hydrol HVI Oils

Properties	Method	Performance				
ISO Viscosity Grade		22	32	36	46	68
AGMA No. (non-EP)		n/a	n/a	n/a	1	2
Kinematic Viscosity @40°C mm ² /s	ASTM D445	22.0	33.5	35.7	46.7	68.1
Kinematic Viscosity @100°C mm ² /s	ASTM D445	5.1	6.6	6.9	8.3	10.4
Viscosity Index	ASTM D2270	171	157	156	154	140
Oxidation Stability (hrs to 2.0 TAN)	ASTM D943	5000+	5000+	5000+	5000+	5000+
Rust Prevention	ASTM D665	Pass	Pass	Pass	Pass	Pass
Flash Point (COC) °C(F)	ASTM D92	212(414)	218(424)	218(424)	229(444)	225(437)
Pour Point °C(F)	ASTM D97	-48(-54)	-48(-54)	-48(-54)	-45(-49)	-45(-49)

These characteristics are typical of current production, variations in these characteristics may occur.

Availability and product codes

Pack size	20L pail	205L drum	1,000L tote / Bulk pump
Hydrol HVI 22	HYORZ0046	HYORZ0111	HYORZ0169
Hydrol HVI 32	HYORZ0049	HYORZ0114	HYORZ0172
Hydrol HVI 36	HYORZ0050	HYORZ0115	HYORZ0173
Hydrol HVI 46	HYORZ0052	HYORZ0117	HYORZ0175
Hydrol HVI 68	HYORZ0055	HYORZ0120	HYORZ0178
Availability	Year-round / To order, contact us toll free at 855.755.6737 or orderdesk@nemco.ca		

Health, Safety, & Environment

GHS compliant Safety Data Sheets are available at nemco.ca under Safety Data Sheets. For SDS in French, please contact info@nemco.ca. This product is not WHMIS 2015 classified. The SDS contains valuable information critical to the safe handling and proper use of the product. Always take used oil to an authorized collection point. Do not discharge into drains, soil, or water.

Quality

Nemco Resources Ltd works with respected industry suppliers for lubricant additives and base oils. Nemco is a member of ILMA and the manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO9001. For questions regarding quality, please contact your Technical Sales Representative.