



Product Data Sheet

Hydrol NZ Hydraulic Oils

High Viscosity Index Non-Zinc Hydraulic Oils

DESCRIPTION

Nemco Hydrol NZ Hydraulic Oils are fully formulated, premium, non-zinc, ashless, high viscosity index, hydraulic oils. These oils are all-season, low-temperature multi-grade fluids that provide anti-wear performance using high performance zinc-free additives. Their high viscosity index allows for use over wide operating temperature ranges and have proven field performance for all year protection for your equipment.

Advantages

- Zinc-free formula
- Excellent filterability
- Excellent oxidative and thermal stability
- Superior antifoam characteristics
- Excellent rust and non-ferrous corrosion protection
- Outstanding anti-wear protection
- Strong water separation and excellent hydrolytic stability
- Good oxidation stability

Applications

- Hydraulic systems requiring zinc-free anti-wear hydraulic oil.
- Hydraulic equipment used in environmentally sensitive areas.
- 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 Denison HF-1, HF-2, HF-0 | • Five Cincinnati P-70, P-69 |
| • DIN 51524 Part 1 HL, Part 2 HLP, Part 3 HVLP | • ISO 11158 HL, HM, HV |

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.

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Typical physical characteristics – Hydrol NZ Oils

Properties	Method	Performance		
ISO Viscosity Grade		22	32	46
AGMA No. (non-EP)		n/a	n/a	1
Kinematic Viscosity @40°C mm ² /s	ASTM D445	22.0	33.5	46.7
Kinematic Viscosity @100°C mm ² /s	ASTM D445	5.1	6.6	8.3
Viscosity Index	ASTM D2270	171	157	154
Oxidation Stability (hrs to 2.0 TAN)	ASTM D943	8000+	8000+	8000+
Rust Prevention	ASTM D665	Pass	Pass	Pass
Flash Point (COC) °C(F)	ASTM D92	212(414)	218(424)	229(444)
Pour Point °C(F)	ASTM D97	-48(-54)	-48(-54)	-45(-49)
Zinc, ppm	ASTM D5185	<10	<10	<10

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 NZ 22	HYORZ0047	HYORZ0112	HYORZ0170
Hydrol NZ 32	HYORZ0187	HYORZ0186	HYORZ0185
Hydrol NZ 46	HYORZ0053	HYORZ0118	HYORZ0176
Availability	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 hazardous. 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 ISO9001:2015. For technical and quality questions please contact us at 855-755-6737.