



Product Data Sheet

Hydrol HVI Hydraulic Oils

High Viscosity Index Hydraulic Oils

DESCRIPTION

Nemco HVI Hydraulic Oils are premium performance, long-life anti-wear hydraulic fluids designed for use over wide temperature ranges. Nemco Hydrol HVI Hydraulic 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. These fluids offer excellent fluidity at low start-up temperatures, and maintain optimum oil viscosity at high operating temperatures.

Applications

- Year-round use in mobile and stationary hydraulic systems requiring outdoor anti-wear oil, including excavators, cranes, shovels, drills, crawlers, boom trucks, etc.
- Saw mills, 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-0, HF-1, HF-2
- AFNOR E48-603
- Bosch Rexroth RD 90220
- Cincinnati Machine P-68, P-69, P-70
- DIN 51524 Part 1 HL (AW 22), and Part 2 HLP
- GM LS-2
- U.S. Steel 126, 1127, 1136
- Eaton Vickers I-286-S, M-2950-S

Notes

Always check your service manual for oil selection and service life.



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Typical Characteristics – Hydrol HVI Hydraulic Oils

	HVI 22	HVI 36	HVI 46	HVI 68
Viscosity				
cSt at 40°C	22.6	35.4	45.9	68.1
cSt at 100°C	4.5	6.8	8.2	10.4
Viscosity index D2270	112	151	154	139
Pour point °C (°F) D97	-48 (-54)	-48 (-54)	-45 (-49)	-45 (-49)
Oxidation stability (hours to 2.0 TAN), ASTM D943	5000+	5000+	5000+	5000+

Physical characteristics shown in the table are typical and may vary slightly.