

Hydrol AW Oils

Anti-Wear Hydraulic Oils

Description

Nemco Hydrol AW Oils are premium quality anti-wear hydraulic oils designed to provide maximum pump life and trouble-free service in heavy-duty industrial and mobile hydraulic applications. They possess proven protection against wear, have outstanding oxidation and thermal stability and satisfy low ambient temperature applications in appropriate viscosity grades. Their properties make them suitable for vane, gear or piston type hydraulic pumps and motors.

Advantages

- Excellent hydrolytic stability
- Superior rust and yellow metal corrosion protection
- Minimal increase in air entrainment
- Excellent wet and dry filterability
- Outstanding thermal and oxidative stability
- Excellent wear protection for longer pump life

Applications

- Industrial applications
- High pressure systems
- Circulating systems
- General hand oiling
- Oil mist applicators
- Machine tools
- Bearings; journal, antifriction
- Gear cases
- Electric motors
- Textile machinery
- Vane, Gear and Axial piston pumps (AW 32, 46, 68)
- Oil gear pumps requiring heavy oil (AW 100)
- Piston pumps (radial) and pumps requiring extra heavy oil (AW 150)

Meets/Exceeds

- ASTM D6158 HL, HM, HV

Suitable/Recommended for

- Bosch Rexroth RDE-90235
- Chinese Standard GM 11118.1 L-HL, L-HM
- Danieli 0.000.001 Type 10, 11
- DIN 51524 Part 1, 2, 3
- Eaton Brochure 03-401-2010
- Eaton Lubricant Spec E-FDGN-TB002-E
- Fives Cincinnati P-68, P-69, P-70
- GM LS-2 Anti-wear hydraulic oil
- ISO 11158 HL, HM, HV
- JACMAS HK P041
- Parker Denison HF-1, HF-2, HF-0
- SAE MS1004
- Swedish Standard SS 155434:2015
- US Steel 126
- ZF TE-ML 07H, ZF TE-ML 21M

Typical physical characteristics - Hydrol AW Oils

| Properties | Method | Performance | | | | | |
|---|------------|-------------|----------|----------|----------|----------|----------|
| ISO Viscosity Grade | - | 22 | 32 | 46 | 68 | 100 | 150 |
| AGMA No. (non-EP) | - | n/a | n/a | 1 | 2 | 3 | 4 |
| Kinematic Viscosity @40°C mm ² /s | ASTM D445 | 22.0 | 32.2 | 45.0 | 68.4 | 100.9 | 162.2 |
| Kinematic Viscosity @100°C mm ² /s | ASTM D445 | 4.31 | 5.33 | 6.63 | 8.53 | 11.39 | 15 |
| Viscosity Index | ASTM D2270 | 101 | 97 | 98 | 94 | 99 | 92 |
| Flash Point (COC) °C(°F) | ASTM D92 | 212(414) | 218(424) | 229(444) | 225(437) | 249(480) | 245(473) |
| Pour Point °C(°F) | ASTM D97 | -34(-29) | -32(-26) | -30(-22) | -29(-20) | -26(-15) | -18(0) |

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 |
|--------------|--|-----------|--------------------|
| AW 22 | HYORZ0044 | HYROZ0109 | HYORZ0167 |
| AW 32 | HYORZ0048 | HYORZ0113 | HYORZ0171 |
| AW 46 | HYORZ0051 | HYORZ0116 | HYORZ0174 |
| AW 68 | HYORZ0054 | HYORZ0119 | HYORZ0177 |
| AW 100 | Special Order | | |
| AW 150 | Special Order | | |
| Availability | To order, contact us toll free at 855.755.6737 or orderdesk@nemco.ca | | |

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.

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. While this

material is not considered 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. Avoid discharge into drains, soil, or water. As with any lubricant, keep out of reach of children and animals.

Quality

Nemco Resources Ltd works with respected industry suppliers for base oils and additives. Nemco is a member of ILMA and the manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO9001:2015. For questions regarding quality, please contact our Technical Sales representatives.