

STERN Premium Anti-Wear (AW) Hydraulic Oil M-Series

LUBRICANTS

STERN Premium Anti-Wear Hydraulic Oils M-Series are good quality anti-wear hydraulic oils intended for industrial and mobile service applications, subjected to moderate operating conditions and requiring anti-wear lubricants.

Their effective oxidation resistance and chemical stability support good oil life in moderate to severe applications providing the following features and benefits:

- Good anti-wear performance helps reduce pump wear and prolongs pump life
- Corrosion protection helps reduce the effects of moisture on system components
- Filterability to prevent filter blockage even in the presence of water

APPLICATIONS

- Systems using gear, vane, radial and axial piston pumps and those containing gears and bearings where mild anti-wear characteristics are required
- Where hydraulic oil contamination or leakage is unavoidable
- Where small amounts of water are unavoidable

SPECIFICATIONS AND APPROVALS

- This product has the following builder approval:
 - Denison HF-0 on ISO 32, 46, 68
- This product meets or exceeds the requirements of:
 - DIN 51524-2:2006-09
 - ISO L-HM (ISO 11158:1997)

TYPICAL PROPERTIES

Premium Anti-Wear (AW) Hydraulic Oil	ISO 32	ISO 46	ISO 68	ISO 100
<i>Viscosity (cSt) at 40°C</i>	31.4	44.0	63.3	96.0
<i>Viscosity (cSt) at 100°C</i>	5.3	6.6	8.3	11.0
<i>Viscosity Index</i>	98	98	98	98
<i>Flash Point, °C</i>	212	226	234	234
<i>Pour Point, °C</i>	-24	-24	-18	-18
<i>Density @ 15C, kg/l</i>	0.872	0.876	0.882	0.884
<i>Emulsion, time to 3 mL emulsion @ 54 C, min</i>	15	15	20	-
<i>Emulsion, time to 3 mL emulsion @ 54 C, min</i>	-	-	-	10

