



AW Hydraulic Oils

Auto 1® AW Hydraulic Oils are premium anti-wear oils, which provide maximum pump life and trouble-free service. The rust and oxidation preventive capabilities of Hydra 1000, including superior demulsibility properties, make these oils rugged, even in high-output systems. These oils also feature excellent vane pump and piston pump performance, anti-foam characteristics and superior hydrolytic stability. Hydra 1000's ability to control formation of contaminants helps prevent filter blockage. The hydraulic oils also demonstrate excellent compatibility with other major brands of hydraulic oils, including the MOBIL DTE numbered series.

Auto 1® AW Hydraulic Oils resist deterioration and perform at superior levels, even at high operating temperatures, pressures and speeds and low pour point ensures easy system startup in cold conditions.

PROPERTY	ASTM TEST METHOD	R&O/AW ISO <u>32</u>	R&O/AW ISO <u>46</u>	R&O/AW ISO <u>68</u>
Viscosity @ 40°C, cSt	D-445	31.20	46.07	68.10
Viscosity @ 100°C, cSt	D-445	5.25	7.00	8.80
Viscosity Index	D-2270	98	110	101
Flash Point, COC, °C	D-92	210	216	220
Flash Point, COC, °F	D-92	410	420	428
Pour Point, °C	D-97	-39	-36	-36
Pour Point, °F	D-97	-38	-33	-33
Color	D-1500	1.0	1.0	1.5
Gravity, °API	D-287	31.5	30.5	29.5
Turbine Oil Oxidation	D-943	3600+	3600+	3600+
Copper Strip	D-130	1b	1b	1b
Rust Test	D-665	Pass	Pass	Pass
Vane Pump, mgs wt loss	D-2882	12	12	12
Dielectric Strength, kv		35	35	35

Meets or exceeds the following tests and requirements:

- AFNOR E 48-603
- ASTM D6158 HL, HM, HMHP
- B.F. Goodrich – 0152
- Bosch Rexroth – RDE 90235
- Fives Cincinnati – P-68, P-69, P-70 (light hydraulic oils)
- Danieli – 0.000.001 Type 10 & 11
- DIN – 51524, Part 1 HL, Part 2 HLP
- Eaton Brochure – 03-401-2010, EFDGN-TB002-E
- Eaton Vickers – I-286-S, M-2950-S, 35VQ25
- FMC – High-Performance Hydraulic Oil
- Ford – M-6C32
- General Motors – LH-04-1, LH-06-1, LH-15-1, LS-2
- ISO 11158 HL, HM
- Jeffrey – #87
- Lee Norse 100-1
- Parker Denison – HF-0, HF-1, HF-2
- Racine – Model S, variable volume vane pump
- SAE MS 1004
- U.S. Steel – 136, 127, 126
- ZF – TE-ML 07H, TE-ML 21M