



Hydra 1000 Heavy Duty Hydraulic Oil

Dyna-Plex 21C® Hydra 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 hydraulic 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.

Dyna-Plex 21C Hydra 1000 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 10W-40	R&O/AW M-F LIGHT	R&O/AW MV 46	R&O/AW M-F MED.	R&O/AW M-F ULTRA-LIGHT
Viscosity @ 40°C, cSt	D-445	100.80	32.50	47.00	70.00	22
Viscosity @ 100°C, cSt	D-445	14.53	7.00	8.50	10.10	5.2
Viscosity Index	D-2270	150	190	160	125	170
Flash Point, COC, °C	D-92	221	199	210	210	200
Flash Point, COC, °F	D-92	430	390	410	410	390
Pour Point, °C	D-97	-36	-42	-36	-36	-51
Pour Point, °F	D-97	-33	-44	-33	-33	-60
Color	D-1500	1.5	1.0	1.0	1.5	1.0
Gravity, °API	D-287	29.6	33.0	32.5	31.0	35.0
Turbine Oil Oxidation	D-943	3600+	3600+	3600+	3600+	3600+
Copper Strip	D-130	1b	1b	1b	1b	1b
Rust Test	D-665	Pass	Pass	Pass	Pass	Pass
Vane Pump, mgs wt loss	D-2882	12	12	12	12	12
Dielectric Strength, kv		35	35	35	35	35

Meets or exceeds the following tests and requirements:

- AFNOR E 48-603
- ASTM D6158 HL, HM, HMHP, HV, HVHP
- 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, Part 3 HVLP
- 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, HV
- 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

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