

PRODUCT DATA SHEET



Marathon Multipurpose Hydraulic Oil

Product Description

Marathon Multipurpose Hydraulic Oil is formulated with highly refined Group II base stock and Group 1 paraffinic oils. Enhanced with premium additives, Multipurpose Hydraulic Oils offer exceptional anti-wear protection, oxidation, and corrosion inhibition.

Marathon Multipurpose meets the performance specifications of various pump manufacturers. This product's excellent demulsibility, thermal and oxidation stability, and reduced viscosity change over wide temperature ranges empower performance in extreme conditions.

Features

- ✓ Quick air release and foam inhibition limit pump cavitation in systems with high circulation rates
- ✓ Superb water separation (demulsibility) facilitates water removal
- ✓ Optimal thermal and oxidation stability reduces deposit formation in reservoirs
- ✓ Outstanding wear protection
- ✓ Limited viscosity changes over a wide temperature range

Industry and OEM Applications¹

- Parker Denison HF-0 (HF-1 & HF-2 are included under HF-0 designation)
- Eaton Vickers E-FDGN-TB002-E (this specification supersedes I-286 & M-2950-S)
- GM Lubricant Standard LH-03-1-11, LH-04-1-11, LH-06-1-11
- Racine, variable volume pump
- FIVES (formerly MAG, formerly Cincinnati Milacron) P-68, 69 & 70
- B.F. Goodrich 0152
- Lee-Norse 100-1, Bosch Rexroth RD/RE 90220-1
- Toshiba Machinery
- Afnor E-48-603
- ISO 11158, ASTM D6158-05, DIN 51524-2

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Technical Data (typical values)

ISO Grade		32	46	68	100
Product Numbers		1050 (bulk); 0346 (55 g drum); 0347 (5 g pail)	1051 (bulk); 0350 (55 g drum); 0351 (5 g pail)	1052 (bulk); 0354 (55 g drum); 0355 (5 g pail)	1053 (bulk); 0358 (55 g drum); 0357 (5 g pail)
Viscosity @ 40°C, cSt	D445	29.79	46.07	63.62	92.87
Viscosity @ 100°C, cSt	D445	5.54	7.05	8.57	10.75
Viscosity Index	D2770	125	111	106	99
Specific Gravity @ 60°F	D4052	0.8518	0.8554	0.8688	0.8749
Pour Point, °C	D5950	-45	-42	-33	-36
Color ASTM	D1500	L1.0	L1.0	L1.5	L1.5
Demulsibility	D1401	38-39-3 (10 min)	40-38-2 (10 min)	40-37-3 (10 min)	40/40/0 (5 min ²)
Copper Corrosion	D130	1b	1b	1b	1b
Foam characteristics	D892	PASS	PASS	PASS	PASS
Oxidation Life, hrs. to TAN = 2.0, minimum	D943	5,000	4,500	4,000	1,500
Total Acid Number, mg KOH/g	D664	0.602	0.511	0.560	0.101

(1) AW 100 excluded from most of these applications

(2) Demulsibility at 82°C

Consult your owner's manual regarding its suitability for use in equipment from other OEMs. These hydraulic oils perform in most equipment without concern for fluid-related harm.

The recommended shelf life for these oils is typically 48 months from manufacturing date when stored properly in the original sealed Containers.