



NATIONAL™ HYDRALUBE | Hydraulic Oils

Product Description

NATIONAL HYDRALUBE HYDRAULIC OILS are formulated with selected Group II and/ or Group I paraffinic base oils. They provide outstanding anti wear protection, oxidation and corrosion inhibition.

Available in five¹ ISO viscosities.

Industry and OEM Specifications ²

- Parker Denison HF-0 (HF-1 and HF-2 are included under the HF-0 designation)
- Eaton Vickers E-FDGN-TB002-E (this specification supersedes I-286-S and 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, P-69, P-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

Features

- Fast air release and great foam inhibition minimizes pump cavitation in systems with high circulation rates
- Good water separation (demulsibility) that facilitates water removal
- Outstanding thermal and oxidation stability that reduces the formation of deposits in reservoirs
- Provides excellent wear protection
- Minimum viscosity change over a wide temperature range

The product described above is designed for a specific use and may not be valid for other uses not specified in our specification sheet or in applications not requiring this specific product. Pinnacle Oil believes the information presented in this specification is accurate at the time written and is based upon internally generated information and information as presented by its vendors. No representation, warranty, or guarantee is made as to its accuracy or completeness. We do not accept any liability for any loss or damage that may occur from the use of this information.



Technical Data

(typical values)

ISO GRADE		32	46	68	100	150
Product Number		07-392032	07-392046	07-392068	07-122659	07-122660
SDS Number		S024	S024	S024	S024	S024
Viscosity @ 40°C, cSt	D445	29.79	46.07	63.62	92.87	156.3
Viscosity @ 100°C, cSt	D445	5.54	7.05	8.57	10.75	15.32
Viscosity Index	D2770	125	111	106	99	99
Specific Gravity @ 60°F	D4052	0.8518	0.8554	0.8688	0.8749	0.8855
Pour Point, °C	D5950	-45	-42	-33	-36	-21
Color ASTM	D1500	L1.0	L1.0	L1.5	L1.5	L2.0
Demulsibility	D1401	38-39-3 (10 min)	40-38-2 (10 min)	40-37-3 (10 min)	40/40/0 (5 min 3)	40/40/0 (10 min 3)
Copper Corrosion	D130	1b	1b	1b	1b	1b
Foam characteristics	D892	PASS	PASS	PASS	PASS	PASS
Oxidation Life, hrs. to TAN = 2.0, minimum	D943	5,000	4,500	4,000	1,500	1,000
Total Acid Number, mg KOH/g	D664	0.602	0.511	0.56	0.101	0.166

- 1) Consult your owner's manual regarding its suitability for use in equipment from other OEMs. These hydraulics perform in most equipment without concern for fluid-related harm.
- 2) AW 100 and AW 150 excluded from most of these
- 3) Demulsibility at 82°C

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