



Nuto™ H Series

Hydraulic Oils

Product Description

Nuto™ H Series oils 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.

Features and Benefits

- Good anti-wear performance helps reduce pump wear and prolonging 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

Nuto H Series meets or exceeds the requirements of:	NUTO H 32	NUTO H 46	NUTO H 68	NUTO H 100	NUTO H 150
DIN 51524-2: 2006-09	X	X	X	X	
ISO L-HM (ISO 11158:1997)	X	X	X	X	X

Nuto H Series has the following builder approvals:	NUTO H 32	NUTO H 46	NUTO H 68	NUTO H 100	NUTO H 150
DENISON HF-0	X	X	X		

Typical Properties

	NUTO H 32	NUTO H 46	NUTO H 68	NUTO H 100	NUTO H 150
Viscosity, ASTM D445					
cSt @ 100°C	5.4	6.7	8.5	11.1	14.6
cSt @ 40°C	32.0	46.0	68.0	100.0	150.0
Viscosity Index, ASTM D2270	104	104	107	95	95
Density 15°C, ASTM D4052	0.872	0.876	0.882	0.884	0.887
Pour Point, °C, ASTM D97	-24	-24	-18	-18	-18
Flash Point, COC, °C, ASTM D92	212	226	234	242	258

	NUTO H 32	NUTO H 46	NUTO H 68	NUTO H 100	NUTO H 150
Demulsibility @ 54°C, ASTM D1401	15	15	20		
Demulsibility @ 82°C, ASTM D1401				10	5
Copper strip corrosion, 3 hrs @ 100°C, ASTM D130	1A	1A	1A	1A	1A

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com. ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

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