Nuto™ H Series

Mobil Industrial , Australia

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

This product has the following approvals:	32	46	68	100	150
Denison HF-0	X	X	X		
Denison HF-1	X	X	X		
Denison HF-2	X	X	X		

This product meets or exceeds the requirements of:	32	46	68	100	150
Fives Cincinnati P-68	X				
ASTM D6158 (Class HM)	X	X	X		
DIN 51524-2:2017-06	X	X	X	X	
ISO L-HM (ISO 11158:2023)	X	X	X	X	X
Fives Cincinnati P-69			X		
Fives Cincinnati P-70		X			

Properties and Specifications

Property	32	46	68	100	150
Grade	ISO VG 32	ISO VG 46	ISO VG 68	ISO VG 100	ISO VG 150
Copper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130	1A	1A	1A	1A	1A
Density @ 15 C, kg/l, ASTM D1298	0.872	0.876	0.882	0.884	0.887
Emulsion, Time to 3 mL Emulsion, 54 C, min, ASTM D1401	15	15	20		
Emulsion, Time to 3 mL Emulsion, 82 C, min, ASTM D1401				10	5
Flash Point, Cleveland Open Cup, °C, ASTM D92	212	226	234	242	258
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	5.3	6.6	8.3	11.0	14.9
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	31.4	44.0	63.3	96.0	150
Pour Point, °C, ASTM D97	-24	-24	-18	-18	-18
Viscosity Index, ASTM D2270	98	98	98	98	98

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
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