

## Nuto H Series

Mobil Industrial , Canada

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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

<b>This product has the following approvals:</b>	<b>32</b>	<b>46</b>	<b>68</b>	<b>100</b>	<b>150</b>
DENISON HF-0	X	X	X		

<b>This product meets or exceeds the requirements of:</b>	<b>32</b>	<b>46</b>	<b>68</b>	<b>100</b>	<b>150</b>
DIN 51524-2:2006-09	X	X	X	X	
ISO L-HM (ISO 11158:1997)	X	X	X	X	X

## Properties and Specifications

<b>Property</b>	<b>32</b>	<b>46</b>	<b>68</b>	<b>100</b>	<b>150</b>
Grade	ISO 32	ISO 46	ISO 68	ISO 100	ISO 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, mm <sup>2</sup> /s, ASTM D445	5.4	6.7	8.5	11.1	14.6
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	32	46	68	100	150
Pour Point, °C, ASTM D97	-36	-30	-30	-27	-24
Viscosity Index, ASTM D2270	104	104	107	95	95

## 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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