Mobil

# Nuto™ H Series

Mobil Industrial , Niger

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 | | |

| This product meets or exceeds the requirements of: | 32 | 46 | 68 | 100 | 150 |
|---|---|---|---|---|---|
| DIN 51524-2:2017-06 | X | X | X | X | |
| ISO L-HM (ISO 11158:2009) | X | X | X | X | X |

## Properties and Specifications

| Property | 32 | 46 | 68 | 100 | 150 |
|---|---|---|---|---|---|
| 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 | | |

| Property | 32 | 46 | 68 | 100 | 150 |
|---|---|---|---|---|---|
| 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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