



Nuto™ H Series

Mobil Industrial , Malawi

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 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 11158:2023)                          | 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     |         |         |
| 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     |

| Property                                      | 32   | 46   | 68   | 100  | 150  |
|---|------|------|------|------|------|
| 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.as>  
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