



HYDRAULIC OIL AW SERIES

Mobil Industrial , Haiti

Hydraulic Oil

Product Description

Hydraulic AW Oil 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 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 meets or exceeds the requirements of: | HYDRAULIC OIL AW 46 | HYDRAULIC OIL AW 68 |
|--|---------------------|---------------------|
| DIN 51524-2:2017-06 | X | X |
| ISO L-HM (ISO 11158:2009) | X | X |

Properties and Specifications

| Property | HYDRAULIC OIL AW 46 | HYDRAULIC OIL AW 68 |
|--|---------------------|---------------------|
| Grade | ISO 46 | ISO 68 |
| Copper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130 | 1A | 1A |
| Density @ 15 C, kg/l, ASTM D1298 | 0.876 | 0.882 |
| Emulsion, Time to 3 mL Emulsion, 54 C, min, ASTM D1401 | 15 | 20 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 226 | 234 |
| Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445 | 6.6 | 8.2 |
| Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445 | 44 | 63.3 |

| Property | HYDRAULIC OIL AW 46 | HYDRAULIC OIL AW 68 |
|-----------------------------|---------------------|---------------------|
| Pour Point, °C, ASTM D97 | -24 | -18 |
| Viscosity Index, ASTM D2270 | 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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