



HYDRAULIC OIL AW SERIES

Mobil Industrial , Puerto Rico

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 11158:2023)                          | X                   | X                   |

Properties and Specifications

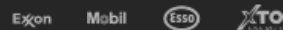
| Property                                               | HYDRAULIC OIL AW 46 | HYDRAULIC OIL AW 68 |
|--------------------------------------------------------|---------------------|---------------------|
| Grade                                                  | ISO 46              | ISO 68              |
| 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, mm2/s, ASTM D445          | 6.6                 | 8.2                 |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445           | 44                  | 63.3                |
| 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.as>

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