Mobil™ Hydraulic AW Series

Mobil Industrial , United States

Hydraulic Oils

Product Description

Mobil™ Hydraulic AW 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.

They are formulated to deliver good performance in a range of hydraulic components used in systems subjected to moderate operating conditions.

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:	MOBIL HYDRAULIC AW 46	MOBIL HYDRAULIC AW 68	MOBIL HYDRAULIC AW 100
China GB 11118.1-2011, L-HM(General)	X	X	X
DIN 51524-2:2017-06	X	X	X

Properties and Specifications

Property	MOBIL HYDRAULIC AW 32	MOBIL HYDRAULIC AW 46	MOBIL HYDRAULIC AW 68	MOBIL HYDRAULIC AW 100
Grade	ISO VG 32	ISO VG 46	ISO VG 68	ISO VG 100
Density @ 15 C, kg/l, ASTM D4052	0.87	0.877	0.880	0.885
FZG Scuffing, Fail Stage, DIN 51354	10	10	10	10
Flash Point, Cleveland Open Cup, °C, ASTM D92	224	228	238	252
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	5.2	6.9	8.8	11.2

Property	MOBIL HYDRAULIC AW 32	MOBIL HYDRAULIC AW 46	MOBIL HYDRAULIC AW 68	MOBIL HYDRAULIC AW 100
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	30.2	46.1	67.9	99.7
Pour Point, °C, ASTM D97	-18	-15	-12	-9
Viscosity Index, ASTM D2270	103	104	101	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

All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries unless indicated otherwise.

08-2026

Exxon Mobil Corporation
22777 Springwoods Village Parkway
Spring TX 77389

1-800-ASK MOBIL (275-6624)

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

ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

ExxonMobil

Exxon Mobil Esso

© Copyright 2003-2026 Exxon Mobil Corporation. All Rights Reserved