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# MAG 1<sup>®</sup> AW ISO 46 HYDRAULIC OIL

## ANTI-WEAR HYDRAULIC OIL INDUSTRIAL LUBRICANTS AND GREASES

**Featuring FMX<sup>®</sup> Technology – Friction Management for Xtreme protection<sup>™</sup>. MAG 1<sup>®</sup> provides unsurpassed protection and performance.**

MAG 1<sup>®</sup> AW ISO 46 Hydraulic Oil is designed to help improve uptime, reduce costs and increase productivity. Formulated to provide 5,000 hours of oxidation stability. Our hydraulic oils offer energy-efficient benefits and improved performance across a wide range of temperatures. They specifically designed to meet the demands of high-pressure, industrial and mobile equipment hydraulic systems.



### POWERFUL ANTI-FRICTION, ANTI-WEAR CHEMISTRY

MAG 1<sup>®</sup> provides outstanding control of friction and wear. Advanced molecules bond together to create a wear-resistant shield that works to build barriers that reduce friction and wear.

### WITHSTANDS THE MOST EXTREME CONDITIONS

MAG 1<sup>®</sup> Anti-Wear Hydraulic Oils provide unsurpassed protection even in the harshest conditions to fight oxidation, separate air and water and improve filtration.

### *EVOLUTIONARY PERFORMANCE<sup>™</sup>*

OEMs continue to evolve equipment designs and industrial operating conditions are becoming more severe as power density and other factors increase stresses. One brand has evolved right alongside today's equipment – MAG 1<sup>®</sup>.

### ANTI-WEAR HYDRAULIC OILS FEATURING FMX<sup>®</sup> TECHNOLOGY AND *EVOLUTIONARY PERFORMANCE<sup>™</sup>*

The latest MAG 1<sup>®</sup> Anti-Wear Hydraulic Oils are specially engineered and formulated to provide:

#### PERFORMANCE

- Extra protection for equipment life and reliability.
- Excellent varnish control and cleanliness.

#### STRENGTH

- Outstanding wear and corrosion protection.

#### DURABILITY

- Formulated to provide 5,000 hours of oxidation stability.
- Optimized maintenance cost and uptime.

#### INDUSTRY/OEM SPECIFICATIONS

ASTM D6158	Meets Requirements
Eaton E-FDGN-TB002-E, 35VQ25A	Meets Requirements
Bosch Rexroth	Suitable for Use
Cincinnati/MAG IAS P-70	Suitable for Use
DIN 51524, Part 1,2,3	Suitable for Use
General Motors LS-2	Suitable for Use
JCMAS HK	Suitable for Use
Parker Denison HF-0, HF-1	Suitable for Use
Parker Denison HF-2	Suitable for Use
Racine	Suitable for Use
Sperry Vickers/Eaton I-286-S, M-2950-S	Suitable for Use
US Steel 127, 136	Suitable for Use

## TYPICAL PROPERTIES

Calcium, wt. %	ASTM D5185	0.003
Color	ASTM D1500	0.5
Flash Point °C	ASTM D92	225
Flash Point °F	ASTM D92	437
Gravity, °API	ASTM D287	31.46
Oxidation Hours	ASTM D943	5000
Phosphorus, wt. %	ASTM D5185	0.033
Pour Point °C (°F)	ASTM D5950	-33°C (-27°F)
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8683
Sulfur, wt. %	ASTM D4951	0.065
Vapor Pressure at 20°C		<0.013 kPa at 20°C
Viscosity @ 100°C cSt	ASTM D445	6.95
Viscosity @ 40°C cSt	ASTM D445	46.03
Viscosity Index	ASTM D2270	105
Zinc, wt. %	ASTM D5185	0.041

## CONTAINER/BULK AVAILABILITY

330 Gallon Tote	Product Number - 65574
55 Gallon Drum	Product Number - 00468
5 Gallon Pail	Product Number - 00465
2/2.5 Gallon	Product Number - 00462
3/1 Gallon	Product Number - 00466

## Available in Bulk

Information accurate as of March 3, 2018