

# MS LUBE HYDRO AW

## ANTI WEAR HYDRAULIC FLUID

### DESCRIPTION

MS HYDROAW, anti-wear hydraulic fluid, for use in mobile and stationary high pressure hydraulic systems.

### APPLICATION

- Industrial Hydraulics and Industrial Circulating systems.
- Hydraulics of mobile and construction equipments.
- Hydraulic systems with vane, gear or piston pumps.
- Plastic injection molding machines.
- Lightly loaded gear systems.
- Machine Tools.

### PERFORMANCE STANDARDS

- ISO Standard 11158 Type HM
- Denison HF-1
- Vickers I-286-S (Industrial) / M-2950S (Mobile)
- DIN 51524 Part 1

### BENEFITS

- High protection against wear.
- Very good hydrolytic stability and water separation capability.
- Excellent protection against rust and corrosion.
- High oxidation stability provides extended oil service life.
- Good anti-foam and air-release properties to ensure smooth operation and improve system efficiency.

### KEY PROPERTIES

ISO GRADES	32	46	68	100	150	220	320	460
Density, @29.5°C, (kg/liter)	0.885	0.858	0.861	0.865	0.874	0.882	0.888	0.89
Kinematic Viscosity @ 40°C (mm <sup>2</sup> /s)	32.4	45.3	67.1	97.5	149	208.7	308.2	432.1
Viscosity Index	107	106	108	109	106	105	103	104
Pour Point (°C)	-33	-33	-30	-24	-21	-18	-15	-15
Flash Point (°C, COC)	221	229	235	243	250	256	260	268
Rust Preventing Characteristics (D665)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected.

It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

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