



# *Premium* INDUSTRIAL HYDRAULIC OIL



MFA Oil Industrial Hydraulic Oil is formulated using only high quality Group II, severely hydrocracked, high viscosity index, paraffinic base stocks. It is specifically designed to lubricate and protect today's hydraulic systems operating at high pressures and temperatures. It offers excellent water separation properties as well as rust and anti-foam protection. It is a premium anti-wear hydraulic oil for use in both high and low pressure industrial and mobile hydraulic systems.

MFA Oil Industrial Hydraulic Oil is recommended for use in a wide variety of applications that require hydraulic systems to operate at high temperature: automated machine tools; farm tractor implements; hydraulic systems on dump trucks; bulldozers, forklifts and motor graders; machine shop hydraulic press, shears and punches; and mobile and stationary equipment.

- Anti-wear protection for a wide variety of hydraulic pumps and components used under severe operating conditions
- Proven field performance
- Outstanding thermal and oxidative stability
- Excellent demulsibility or water separation
- Excellent rust protection
- Lower filter blockage tendency
- Good low temperature properties
- Excellent foam control
- Excellent for use in paper machines

*Always consult and follow manufacturer's guide for proper ISO grade.*



# Premium INDUSTRIAL HYDRAULIC OIL



## Typical Characteristics

PRODUCT	AW22	AW32	AW46	AW68	AW100
Gravity, °API	33.50	32.44	31.46	30.71	30.12
Specific Gravity @ 60°F (15.6°C)	0.8576	0.8631	0.8683	0.8723	0.8755
Viscosity @ 40°C cSt	21.82	32.11	46.03	69.25	99.86
Viscosity @ 100°C cSt	4.36	5.55	6.95	8.95	11.31
Viscosity Index	107	110	105	103	99
Pour Point °C (°F)	-36°C (-33°F)	-33°C (-28°F)	-33°C (-28°F)	-30°C (-22°F)	-30°C (-22°F)
Oxidation Hours	5000	5000	5000	5000	5000
Color	0.5	0.5	0.5	0.5	0.5
Zinc, wt. %	0.041	0.041	0.041	0.041	0.041
Phosphorus, wt. %	0.033	0.033	0.033	0.033	0.033
Calcium, wt. %	0.003	0.003	0.003	0.003	0.003
Sulfur, wt. %	0.065	0.065	0.065	0.065	0.065
Dielectric Strength, Kv	41	41	41	41	41
Turbine Oil Oxidation, Hrs+	6000+	6000+	6000+	6000+	6000+
Thermal Stability	PASS	PASS	PASS	PASS	PASS
Turbine Oil Rust	Pass-Clean	Pass-Clean	Pass-Clean	Pass-Clean	Pass-Clean
Distilled Water	PASS	PASS	PASS	PASS	PASS
Syn. Sea Water	PASS	PASS	PASS	PASS	PASS
Copper Strip Corrosion	1A	1A	1A	1A	1A

Available Sizes	AW22	AW32	AW46	AW68	AW100
	2.5 Gal*	2.5 Gal	2.5 Gal	2.5 Gal	2.5 Gal*
	30 Gal Drum*	55 Gal Drum	55 Gal Drum	55 Gal Drum	5 Gal
	55 Gal Drum	Bulk	Bulk	Bulk	30 Gal Drum*
	Bulk				55 Gal Drum
					Bulk

\* Available by special request

## Performance Level

VICKERS 1-286-S, M-2950-S

DENISON HF-1, HF-2, HF-0

RACINE, VARIABLE VOLUME  
VANE PUMPS

CINCINNATI MILACRON P-68,  
P-69, P-70

DIN 5154, PART 2

LEE-NORSE 100-1

JEFFERY NO. 87

FORD M-6C32

U.S. STEEL 136, 127

B.F. GOODRICH 0152

GENERAL MOTORS LH-04-01,  
LH-06-01, LH-15-1

COMMERCIAL HYDRAULICS (1)  
1: Except for PM-500 series silver  
containing pumps which require  
R&O additive systems.

## Available In:

2.5 Gal, 5 Gal, 30 Gal, 55 Gal, Bulk

