



ISO-9001 Registered Quality System.
ISO-21469 Compliant.

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PRODUCT DATA

LUBRIPLATE FMO-AW LUBRICANTS

"These products are certified OU Kosher Pareve"

"These products are Halal certified"

*NSF International H-1 Registered

Note: LUBRIPLATE FMO-150-AW is also **NSF International HT1 Registered

DESCRIPTION

The LUBRIPLATE FMO-AW Series of Lubricants was developed in order to meet the ever-increasing demands of pressure, speed and temperature that are placed on modern food machinery. These premium food machinery lubricants are formulated with non-toxic, USP white mineral oils and are fortified with anti-oxidants, corrosion inhibitors, anti-wear agents and foam suppressants. The NSF International has registered them as H-1 lubricants, covering incidental contact with food. As such, they are acceptable as lubricants and anti-rust films on equipment and machine parts used in locations where there is exposure to edible products. These oils are all zinc-free.

APPLICATIONS

- ⇒ Hydraulics
- ⇒ Chains
- ⇒ Gearboxes
- ⇒ Air Line Lubricators
- ⇒ General Oiling

ADVANTAGES

- ⇒ Fortified with maximum strength antioxidant and are thermally and oxidatively stable.

APPROVALS

LUBRIPLATE FMO-2400-AW & FMO-1100-AW have been tested and have passed the:

- ⇒ 12 Stage Four Square Gear (FZG) Test.

LUBRIPLATE FMO-350-AW has passed the following hydraulic pump tests:

- ⇒ Vickers 35VQ25 Vane Pump Test
- ⇒ Vickers V-104C Vane Pump Test
- ⇒ Racine Model "S" Variable Volume Vane Pump Test

And meet the following specifications:

- ⇒ Vickers M-2950-S
- ⇒ Vickers I-286-S

LUBRIPLATE FMO-200-AW has also been tested against and passed:

- ⇒ Racine Model "S" Variable Volume Vane Pump Test

Typical Test Data – See back

PACKAGING AVAILABLE

Carton, 12/1 Quart Plastic Jugs

Carton, 4/1 Gallon Plastic Jugs

5 Gallon Pail

16 Gallon Drum

55 Gallon Drum

Carton, 12/12 oz. Aerosol Cans

Carton, 12/14 oz. Non-Aerosol Cans

PACKAGING AVAILABLE

Carton, 12/1 Quart Plastic Jugs

Carton, 4/1 Gallon Plastic Jugs

5 Gallon Pail

16 Gallon Drum

55 Gallon Drum

Carton, 12/12 oz. Aerosol Cans

PACKAGING AVAILABLE

Carton, 12/1 Quart Plastic Jugs

Carton, 4/1 Gallon Plastic Jugs

5 Gallon Pail

16 Gallon Drum

55 Gallon Drum

PACKAGING AVAILABLE

Carton, 12/1 Quart Plastic Jugs

Carton, 4/1 Gallon Plastic Jugs

5 Gallon Pail

16 Gallon Drum

55 Gallon Drum

85-AW

L0880-054

L0880-057

L0880-060

L0880-061

L0880-062

L0880-067

350-AW

L0882-057

L0882-060

L0882-061

L0882-062

L0882-063

1100-AW

L0886-057

L0886-060

L0886-061

L0886-062

2400-AW

L0885-057

L0885-060

L0885-061

L0885-062

150-AW

L0879-054

L0879-057

L0879-060

L0879-061

L0879-062

500-AW

L0883-057

L0883-060

L0883-061

L0883-062

1700-AW

L0887-054

L0887--057

L0887--060

L0887--061

L0887--062

3800-AW

L0888-057

L0888-060

L0888-061

L0888-062

*Registered H-1 by NSF International for use in food processing facilities as a lubricant or anti-rust agent on equipment in which there may be incidental contact involving the lubricated part and the edible product.

The LUBRIPLATE FMO-AW Series contain no components derived from TSE/BSE relevant animal species; therefore, they are compliant with the requirements of the TSE Note for Guidance EMA/410/01 Rev. 3 July 2011.

*NSF International H1 Registration No's

122670	132661	122668	122665	122664
		126089 (Spray)		
122675	122687	122667	122671	122673

**NSF International HT1 Registration No. FMO-150-AW - 132661

Typical tests for LUBRIPLATE FMO-AW LUBRICANTS are as follows

PROPERTY	TEST METHOD	TYPICAL RESULTS*				
		85-AW	150-AW	200-AW	350-AW	500-AW
Viscosity SUS @ 100°F	ASTM D-2161	102.3	146	195.9	347	545
Viscosity SUS @ 210°F	ASTM D-2161	39.5	43.6	47.5	55	70
Viscosity cSt @ 40°C	ASTM D-445	21.26	31.39	46.92	64.61	94.8
Viscosity cSt @ 100°C	ASTM D-445	3.95	5.41	6.92	8.52	11.03
Viscosity Index	ASTM D-2270	107	107	103	102	101
Color	ASTM D-1500	L0.5	L0.5	L0.5	L0.5	L0.5
Gravity	ASTM D-287	29.0	32.5	32.3	31.9	31.4
Flash Point	ASTM D-92	345°F/174°C	400°F/204°C	455°F/235°C	480°F/249°C	500°F/260°C
Fire Point	ASTM D-92	365°F/185°C	450°F/232°C	490°F/254°C	515°F/268°C	555°F/291°C
Pour Point	ASTM D-97	-30°F/-34°C	-20°F/-29°C	-15°F/-26°C	-10°F/-23°C	5°F/-15°C
Neutralization No.	ASTM D-2896	0.8	0.8	0.8	0.8	0.8
Aniline Point, °F	ASTM D-611	209	215	230	235	258
ISO Viscosity Grade	ASTM D-2422	22	32	46	68	100
AGMA No.		***	***	1	2	3
4-Ball Wear Test	ASTM D-2266	.43 mm	.39 mm	.41 mm	.36 mm	.38 mm
Turbine Oil Oxidation Test	ASTM D-5846	10,000+	Pending	10,000+	10,000+	10,000+
		900-AW	1100-AW	1700-AW	2400-AW	3800-AW
Viscosity SUS @ 100°F	ASTM D-2161	856	1126	1730	2350	3864
Viscosity SUS @ 210°F	ASTM D-2161	83	97	120	142	198
Viscosity cSt @ 40°C	ASTM D-445	163.5	206.7	300.7	428.9	700.1
Viscosity cSt @ 100°C	ASTM D-445	16.09	18.47	23.25	29.62	40.98
Viscosity Index	ASTM D-2270	102	99	96	98	98
Color	ASTM D-1500	L0.5	L0.5	L0.5	L0.5	0
Gravity	ASTM D-287	31.0	30.5	29.5	28.6	28.3
Flash Point	ASTM D-92	475°F/246°C	455°F/235°C	440°F/227°C	445°F/229°C	425°F/218°C
Fire Point	ASTM D-92	530°F/277°C	510°F/266°C	490°F/254°C	490°F/254°C	475°F/246°C
Pour Point	ASTM D-97	5°F/-15°C	10°F/-12°C	10°F/-12°C	15°F/-10°C	20°F/-7°C
Neutralization No.	ASTM D-2896	0.8	0.8	0.8	0.8	0.8
Aniline Point, °F	ASTM D-611	259	262	265	269	275
ISO Viscosity Grade	ASTM D-2422	150	220	320	460	680
AGMA No.		4	5	6	7	8
4-Ball Wear Test	ASTM D-2266	.38 mm	.38 mm	.38 mm	.38 mm	.38 mm
Turbine Oil Oxidation Test	ASTM D-5846	10,000+	10,000+	10,000+	8,000+	5,000+

*Values for typical results are for information only and can vary; these are not specifications.

Slight variations in product color may occur due to storage temperature and exposure to light. Product color has no impact on the lubricant's performance or to the food safety rating of this NSF H1 and ISO21469 certified product.

