



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

Sales, Service & Distribution Center

Newark, NJ 07105
Phone: 973-589-9150 Fax: 973-589-4432

Manufacturing, Sales, Service & Distribution Center

Toledo, OH 43605
Phone: 419-691-2491 Fax: 419-693-3806

Sales and Tech Service Support

Phone: 1-800-733-4755

LUBRIPLATE FMO-AW LUBRICANTS

*NSF H1 Registered

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

“These products are certified OU Kosher Pareve”

“These products are Halal certified”

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 fully formulated with non-toxic, USP white mineral oils and are fortified with anti-oxidants, corrosion inhibitors, anti-wear agents and foam suppressants. The NSF has authorized 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.

The LUBRIPLATE FMO-AW Series of lubricants are high viscosity index, high aniline point oils, making them ideal for hydraulics, chains, gearboxes, air line lubricators and general oiling.

LUBRIPLATE FMO-AW Oils Typical Tests

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

(Over)

LUBRIPLATE FMO-AW Lubricants:

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 (ASTM D-2882) Vane Pump Test
- Racine Model "S" Variable Volume Vane Pump Test

and meets 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

<u>4-BALL WEAR TEST</u> (ASTM D-4172)	<u>85-AW</u>	<u>150-AW</u>	<u>200-AW</u>	<u>350-AW</u>	<u>500-AW</u>	<u>900-AW</u>	<u>1100-AW</u>	<u>1700-AW</u>	<u>2400-AW</u>	<u>3800-AW</u>
40 Kg., 1200 rpm 167°F, 1 Hour Average Wear Scar Diameter, mm	.43	.39	.41	.36	.38	.38	.38	.38	.38	.38

<u>TURBINE OIL OXIDATION TEST</u> (ASTM D-943)	<u>85-AW</u>	<u>150-AW</u>	<u>200-AW</u>	<u>350-AW</u>	<u>500-AW</u>	<u>900-AW</u>	<u>1100-AW</u>	<u>1700-AW</u>	<u>2400-AW</u>	<u>3800-AW</u>
Hours to 2.0 Neut. No.	10,000+	Pending	10,000+	10,000+	10,000+	10,000+	10,000+	10,000+	8,000+	5,000+

PART NUMBERS

<u>Packaging Available</u>	<u>85-AW</u>	<u>150-AW</u>	<u>200-AW</u>	<u>350-AW</u>	<u>500-AW</u>	<u>900-AW</u>	<u>1100-AW</u>	<u>1700-AW</u>	<u>2400-AW</u>	<u>3800-AW</u>
Ctn. 12/1 Qt. Plastic Jugs	L0880-054	L0879-054	-----	-----	-----	-----	-----	L0887-054	-----	-----
Ctn. 4/1 Gal. Jugs	L0880-057	L0879-057	L0881-057	L0882-057	L0883-057	L0884-057	L0886-057	L0887-057	L0885-057	L0888-057
5 Gallon Pail	L0880-060	L0879-060	L0881-060	L0882-060	L0883-060	L0884-060	L0886-060	L0887-060	L0885-060	L0888-060
16 Gallon Drum	L0880-061	L0879-061	L0881-061	L0882-061	L0883-061	L0884-061	L0886-061	L0887-061	L0885-061	L0888-061
55 Gallon Drum	L0880-062	L0879-062	L0881-062	L0882-062	L0883-062	L0884-062	L0886-062	L0887-062	L0885-062	L0888-062
Ctn. 12/12 oz. Aerosol Cans	-----	-----	-----	L0882-063	-----	-----	-----	-----	-----	-----
Ctn. 12/14 oz. Non-Aerosol Bottles	L0880-067	-----	-----	-----	-----	-----	-----	-----	-----	-----
<u>*NSF H1 Registration No's</u>	122670	132661	122668	122665 126089 (Spray)	122664	122675	122687	122667	122671	122673
<u>*NSF HT1 Registration No's</u>	-----	132661	-----	-----	-----	-----	-----	-----	-----	-----

*Authorized by NSF 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.

*NSF – National Sanitation Foundation

Manufactured with ingredients that comply with FDA 21 CFR 178.3570.

"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, October 2011".