

MAGNA-PLATE 78 FLUIDS

PRODUCT DESCRIPTION

Magna-Plate 78 fluids are USP white mineral oil-based lubricants utilizing a proprietary additive system and synthetic polymer technology to provide exceptional wear and corrosion protection in USDA/NSF H1 (Incidental Contact) food- and beverage-industry machinery applications.

CHAIN AND CABLE LUBRICATION

Magna-Plate 78's superior lubricating film, either drip or brush applied, is especially effective at protecting rollers, cams, slides, cables, wire ropes and chains (e.g. silent, monorail, main and final chains, particularly where metal flaking is a problem) at slow to medium speeds.

GEAR AND BEARING LUBRICATION

For years, Magna-Plate 78 has protected enclosed spur and bevel gears driven by fractional horsepower motors at slow to medium speeds. It has proven highly effective in plain, sleeve, ball and roller bearing applications from slow- to medium-speed operating environments (e.g. corn cutters).

CORROSION AND RUST PROTECTION

Magna-Plate 78 provides excellent water displacement and washout resistance in operation. Additionally, its superior corrosion protection is ideal for laying up equipment between canning seasons and for general oiling throughout the plant.

CAN SEAMING LUBRICATION

Magna-Plate 78 fluids are used extensively in high-speed can seamers that require enhanced wear protection and long component life. Magna-Plate 78 is a demulsifying lubricant intended for can closers processing low-fructose or corn syrup products where minimal migration of processed product to the lubricating fluid is present. It provides optimum water and contamination separation.

Magna-Plate 78 E is an emulsifying/dispersant lubricant intended for can closers processing products containing higher levels of fructose or corn syrup sweeteners. In these cases, oils without emulsifying characteristics do not have the ability to dissolve and carry away sugars that may plate out on lubricated parts and cause component wear.

MICRONOX® TECHNOLOGY

Both products contain the performance benefits of Micronox® technology that provides preservative protection for the product. A first in food-grade lubricants, JAX Micronox® has proven especially effective in protecting JAX Magna-Plate 78 Fluids over extended lubrication intervals.



Performance Features:

- Outstanding Antiwear Protection
- FDA Food-Grade Compliant
- Excellent Filterability Characteristics
- Excellent High-Temperature Oxidation Stability
- Superior Rust & Corrosion Protection

Performance Benefits:

- Greatly Extended Component Life of Lubricated Parts
- Reduced Product Contamination Concerns
- Food-Grade Status reduces Product Liability Concerns



MAGNA-PLATE 78 FLUIDS



TYPICAL PROPERTY	MAGNA-PLATE 78 Part # 00780	MAGNA-PLATE 78E Part # 00781	METHOD
Viscosity, 100°C, cSt	14-15	14-15	ASTM D 445
Viscosity, 40°C, cSt	140-150	140-150	ASTM D 445
Viscosity Index	90 Minimum	90 Minimum	ASTM D 2270
ISO Viscosity Grade	150	150	ASTM D 2422
SAE Viscosity Grade	40	40	SAE J 300
Pounds per Gallon	7.2	7.2	ASTM D 1298
Pour Point, °F (°C)	-0 (-17.8)	-0 (-17.8)	ASTM D 97
Flash Point, °F (°C)	464 (240)	464 (240)	ASTM D 92
Fire Point, °F (°C)	543 (284)	543 (284)	ASTM D 92
Copper Strip Corrosion	1a	1a	ASTM D 130
Rotating Bomb Oxidation Test @ 150°C, min.	400+	400+	ASTM D 2272
Demulsibility Test @ 54°C			ASTM D 1401
Oil-Water-Cuff (Minutes)	40-38-2 (10)	Not applicable	
Foaming Characteristics			ASTM D 892
Initial/Final Volume (Time)			
Sequence I	0/0 (8 sec.)	0/0 (15 sec.)	
Sequence II	8/0 (4 sec.)	12/0 (10 sec.)	
Sequence III	0/0 (8 sec.)	0/0 (20 sec.)	
Rust Test			ASTM D 665
Method A - Distilled Water	Pass	Pass	
Method B - Synthetic Sea Water	Pass	Pass	
Shell Four-Ball Wear, Scar Diameter, mm	0.40	0.40	ASTM D 4172
Falex Wear Test			ASTM D 2670
Teeth Wear, Amount of Surface Loss	None	Not Tested	
Total Wear, Block and Journal Wear, Grams	0.00	Not Tested	
NSF Registration No. / Category Code	124534 / H1	128221 / H1	



CONTAINER SIZES & PART NUMBERS

Product part numbers consist of the prefix number listed below each product at the top of the page, plus the suffix shown behind each container size below. (Part # - Container Size) Please note that not all products are available in all container sizes.

Container Sizes:	Part #	Part #
2000 Pound Tote - 276	00780-276	00781-276
400 Pound Drum - 400	00780-400	00781-400
120 Pound Keg - 120	00780-120	00781-120
35 Pound Pail - 035	00780-035	00781-035
4-1 Gallon Case - 004	00780-004	00781-004
Bulk	00780	00781

