

JAX MAGNA-PLATE 80 SERIES

NSF H1 100% SYNTHETIC OIL FOR EXTREME LOW
TEMPERATURE LUBRICATION



FOOD GRADE

PRODUCT DESCRIPTION

JAX Magna-Plate 80 Series food grade lubricants are compounded specifically to provide oil lubrication in extreme cold environments often found in food processing plants. The base fluids are 100% synthetic and NSF-H1 food grade registered. JAX Magna-Plate 80 Series meet the requirements of 21 CFR 178.3570 (lubricants with incidental food contact). Whether you maintain ice cream manufacturing equipment, vegetable freezing tunnels or any other extremely low-temperature food processing equipment, the JAX Magna-Plate 80 Series is the best solution in converting extreme low-temperature processing applications to an effective food grade lubrication solution.

PRODUCT BENEFITS

- **Excellent Low Temperature Performance**—Extremely low pour points, with sufficient body to lubricate at many temperatures.
- **Food grade Tackifier**—Prevents excessive dripping in low temperatures and in case ambient temperatures rise.
- **Superior Additive Performance**—Formulated with advanced additive technologies to provide superior performance over competitive low temperature, food grade oils.
- **Micronox® Technology**—A groundbreaking advance in food grade technology with exceptional performance in preserving and protecting food grade lubricants from microbial contamination.
- **NSF H1 Registered**
- **Kosher and Pareve Certified**
- *JAX Magna-Plate 86 is available in both Aerosol and Trigger Spray*

APPLICATIONS

- Extreme low temperature food processing equipment
- Vegetable freezing tunnels
- Ice cream manufacturing equipment
- Low temperature bearings
- Spiral freezers
- Gearboxes
- Mist or spray chain lubricators
- Cam rollers
- Slide valves
- Drip lubrication systems
- Oil bearings
- Anywhere an NSF H1 registered lubricant is needed in low temperature situations

COMPATIBILITY

JAX Magna-Plate 80 Series is compatible with mineral oils and most synthetic oils*. For optimum performance, it is recommended that the system be thoroughly drained and, if warranted, cleaned prior to installation.

*JAX Magna-Plate 80 Series, as well as other synthetic or mineral based oils, are not compatible with polyglycol type gear lubricants. Thorough flushing prior to changeover is required.



JAX MAGNA-PLATE® 80 SERIES

BULK				
TYPICAL PROPERTIES	MAGNA-PLATE 80	MAGNA-PLATE 86	MAGNA-PLATE 88	METHOD
Viscosity @ 40°C, cSt	12.6	32.9	118.8	ASTM D 445
Viscosity @ 40°C, cSt	1,800	12,100	140,775	
Viscosity @ 100°C, cSt	3.2	6.3	14.8	ASTM D 445
Viscosity Index	121	145	128	ASTM D 2270
ISO Viscosity Grade (Approx.)	10-15	32	100	ASTM D 2422
SAE Viscosity Grade	5	10	30-45	SAE J300
Pour Point °F (°C)	-85 (-65)	-76 (-60)	-33 (-36)	ASTM D 97
Flash Point °F (°C)	374 (190)	464 (240)	450 (232)	ASTM D 92
Fire Point °F (°C)	414 (212)	518 (270)	536 (280)	ASTM D 92
Specific Gravity	0.8160	0.8314	0.8473	ASTM D 1298
Color	Clear	Clear	Clear	
Four-Ball Wear, mm	0.34	0.34	0.33	ASTM D 4172
Micronox® Technology	Yes	Yes	Yes	
NSF Reg. No. / Category Code	124533 / H1	124532 / H1	124531 / H1	

AEROSOL		
TYPICAL PROPERTIES	MAGNA-PLATE 86	METHOD
Propellant	Propane and n-Butane	
Flash Point	464°F (240°C) Concentrate -94°F (-70°C) Propellant	ASTM D 92
Pour Point	-76°F (-60°C) Concentrate	ASTM D 92
Spray Pattern	Narrow Stream	
Viscosity @ 40°C	32.6 cSt Concentrate	ASTM D 445
Specific Gravity	0.8314 Concentrate	ASTM D 1298
Texture	Light Film Oil	
Appearance	Clear	
Consistency	Light	
NSF Reg. No. / Category Code	072192 / H1	

JAX products undergo continual improvement in formulation and manufacture. The values indicated in this PDS are typical production values at the time of this writing. JAX reserves the right to alter and update product data and typical values at any time without notice. It is the responsibility of the installer and/or purchaser to determine if these specifications are adequate and proper for the intended application. MSDS information may be found at www.jax.com or by contacting JAX INC.

CONTAINER SIZE	MAGNA-PLATE 80	MAGNA-PLATE 86	MAGNA-PLATE 88
2000 Pound Tote	00800-276	00860-276	00880-276
400 Pound Drum	00800-400	00860-400	00880-400
120 Pound Keg	00800-120	00860-120	00880-120
35 Pound Pail	00800-035	00860-035	00880-035
Gallon (4/cs)	00800-004	00860-004	00880-004
Trigger (12/cs)	N/A	00860-007	N/A
Aerosol (12/cs)	N/A	JAX110	N/A



JAX INC.

Menomonee Falls, WI • Sacramento, CA • Nashville, TN
800.782.8850 • 262.781.8850 • www.jax.com

