



6723 MONOLEC® Refrigeration Oil

Prevents sludge formation, controls wear on moving parts and provides longer effective oil life in refrigeration systems.

Monolec Refrigeration Oil combines the advantages of carefully selected base oils, inherently excellent in low temperature characteristics, with a highly effective additive package for peak performance under the rigorous conditions encountered in Ammonia refrigeration systems. This oil contains Monolec, LE's exclusive wear-reducing additive and special additives to prevent sludge, assure low temperature fluidity and to provide longer effective oil life.

USER BENEFITS:

□ ***Trouble Free Operation means less downtime, fewer problems and lower maintenance costs.***

- Effective Sludge Control. Efficient additives which inhibit sludge formation in the presence of Ammonia refrigerants. Sludge will clog expansion valves, stick valves and rings, and cause deposits which "choke" the system's cooling efficiency.
- Complete Compatibility. **Monolec Refrigeration Oil** will not produce corrosive or sludge-forming reactions with metals commonly found in Ammonia refrigeration systems.

□ ***Lower Maintenance Costs. By using Monolec Refrigeration Oil you will experience trouble free operation, less downtime, fewer repairs, longer effective oil life and reduced maintenance costs.***

- Nonfoaming in service.
- Excellent Low Temperature Performance. This is assured through the use of carefully selected, low temperature base oils supplemented with pour point

depressants. This assures that the oil will remain perfectly fluid at low temperatures while maintaining the highest viscosity for effective lubrication.

□ ***Longer Compressor Life translates to lower capital expenditures.***

- Reduced wear. Monolec wear-reducing additive increases the natural oil film strength provided by the base oil to greatly reduce wear on bearings and other rubbing surfaces.
- Effective Additive Package. This package protects against deposits that "choke" the system. Rust and oxidation are practically eliminated, and the entire system operates much longer at peak efficiency.

□ ***Longer Effective Oil Life results from effective sludge control, oxidation resistance, and the high quality of the carefully selected and refined base oil.***

□ Available Grade:	Pour Point
6723 ISO 68	-22°F(-30°C)

TYPICAL APPLICATIONS:

- Reciprocating Ammonia Refrigeration Compressors
- Rotary Ammonia Refrigeration Compressors

WHAT IS MONOLEC?

Monolec is LE's exclusive wear-reducing additive which has proven its extraordinary performance in thousands of applications. It is an invaluable component in LE's engine oils, industrial oils and other lubricants bearing the Monolec trademark

Monolec creates a singular molecular lubricating film on the metal surface, vastly increasing film strength without affecting tolerances. Monolec allows opposing surfaces to slide by one another, greatly reducing friction, heat and wear.



LUBRICATION ENGINEERS, Inc.
LEADERS IN LUBRICANTS

LE operates under an ISO 9001 certified quality system.

300 BAILEY AVENUE • FORT WORTH, TEXAS 76107 • 817-916-3200 • 800-537-7683 • FAX 817-820-1512 • www.LElubricants.com

The ASTM D-665B Rust Test was run to evaluate the rust preventative characteristics of LE's 6723 Monolec Refrigeration Oil versus competitive oils. The test specimens show moderate to heavy rust with the competitive oils and virtually no rust with the 6723 Monolec Refrigeration Oil.

ASTM D-665B RUST TEST



COMPETITIVE OIL A



LE'S 6723 MONOLEC
REFRIGERATION OIL



COMPETITIVE OIL B

**LE'S 6723 MONOLEC REFRIGERATION OIL SHOWS
EXCELLENT RUST PREVENTION VERSUS THE
COMPETITIVE OILS TESTED!**



LUBRICATION ENGINEERS, Inc.
LEADERS IN LUBRICANTS

300 BAILEY AVENUE • FORT WORTH, TEXAS 76107 • 817-916-3200 • 800-537-7683 • FAX 817-820-1512 • www.LElubricants.com

LI30041
Rev. 06-10
6723 Flyer



TECHNICAL DATA BULLETIN

**6723
MONOLEC®
Refrigeration Oil**

DESCRIPTION:

Heavy-duty refrigeration compressor oil made from select base stocks for minimum carbon deposits. Special additives for excellent resistance to corrosion. Contains Monolec, LE's exclusive wear-reducing additive.

PHYSICAL CHARACTERISTICS:

	6723
ISO Grade	68
Gravity, °API	22.5
Viscosity	
SUS @ 100°F	353.6
SUS @ 210°F	49.53
cSt @ 40°C	67.38
cSt @ 100°C	7.03
Pour Point, °F (°C)	-22 (-30)
Flash Point, °F (°C)	360 (182)
Floc Point, °F (°C)	-36 (-37)
Aniline Point °F (°C)	186 (86)
Color	Dark Green

TEST RESULTS – TYPICAL:

Copper Strip Corrosion, ASTM D130	1a
Salt Water Rust Test, ASTM D665, 24 hrs.	Pass

MEETS: USDA H2

APPLICATION:

For reciprocating and rotary Ammonia refrigeration compressors.

LUBRICATION ENGINEERS, Inc.

BENEFICIAL QUALITIES:

Oxidation inhibitors give long life under severe conditions. Reduce acids and insoluble products of oil oxidation.

Patented mono-molecular additive reduces wear. Assures longer life for bearings and rubbing surfaces.

Resists sludging and oil breakdown that ordinary oils cannot.

Effective rust protection. Rust inhibitor "plates out" on metal surfaces and seals from moisture. Particularly effective during periods of shutdown, where cooling may create condensation.

Prevents corrosive wear.

Reduces bearing wear. In high temperature oil oxidation tests with competitive product, bearing weight loss was less than 10% of nearest competitor.

Especially applicable for long service and heavy-duty equipment.

Will not foam in service.

Exceptionally low pour points.

USDA H2

LI50036
Rev. 06-10
SS110199
TDB/6723