CLARION® SYNTHETIC REFRIGERATION FLUID

Date 01/10

DESCRIPTION: Clarion Synthetic Refrigeration Fluid is a high performance non-foaming lubricant formulated using synthetic base stocks. This fluid provides outstanding thermal stability and oxidation resistance, and it possesses naturally high VI allowing it to be used over a wide range of temperatures. There is no paraffin wax component to form deposits in the expansion valves or capillary area. This product is completely compatible with petroleum based products.

QUALITIES: Clarion Synthetic Refrigeration Fluid offer outstanding thermal and oxidation stability compared to mineral oils and offers the following:

- Outstanding low temperature performance.
- Compatibility with most paints and elastomers used in refrigeration systems.
- NSF H1 registered (formerly USDA H1) for use in food processing plants under the jurisdiction and inspection of the USDA.
- Compliance with US FDA regulation 21 CFR 178.3570 for lubricants with the possibility of incidental food contact.

APPLICATIONS: Clarion Synthetic Refrigeration Fluid is recommended for use with many refrigerants, including ammonia, carbon dioxide, Chlorofluorocarbons (CFC) such as R-12 and Hydrochlorofluorocarbons (HCFC) such as R-22 and mixtures such as R-501.

This product is not recommended for use with Hydrofluorocarbons (HFC) such R-134A.

Clarion Synthetic Refrigeration Fluid ISO is designed for use in rotary screw compressors.

TYPICAL PROPERTIES:

CLARION® SYNTHETIC REFRIGERATION FLUID

ISO Grade	**68**
Material Code	632552009
Specific Gravity, 60/60 °F	0.835
Density, lb/gal	6.95
Viscosity, ASTM D 445, cSt at 40˚C	66
cSt at 100˚C	10
cSt at -20˚C	3,380
cSt at -40˚C	39,000
Viscosity Index, ASTM D 2270	137
Flash Point, ASTM D 92, °F (°C)	510 (266)
Pour Point, ASTM D 97, °F (°C)	-54 (-48))
NSF Registered	H1
FDA 21 CFR 178.3570	✔