

CLARION® SYNTHETIC  
REFRIGERATION FLUID

Date 08/11

- 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**

<b>ISO Grade</b>	<b>68</b>
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	✓