

## SYNTHETIC GEAR

For a more sustainable future.

Clarion Synthetic Gear Fluids are premium products designed to provide optimum performance in gear boxes, bearings, blowers, reciprocating compressors and hydraulic systems where a H-1 product is needed. They are specifically designed for use in food and beverage canning industry machinery and are formulated with high-purity synthetic fluids and additive system for food processing applications. They are available in four ISO viscosity grades. Clarion Synthetic Gear Fluids do not contain any natural products derived from animals, nuts or genetically modified organisms (GMOs). They are suitable for use where vegetarian and nut-free food is prepared.

### QUALITIES

- Meets US Food and Drug Administration (US FDA) regulation 21 CFR 178.3570 requirements for lubricants with the possibility of incidental contact with food for human consumption and are NSF H-1 (formerly USDA H-1) registered for use in food processing plants under the jurisdiction of the US Department of Agriculture (USDA).
- Are colorless, odorless, tasteless, non-staining lubricants that provide excellent wear, rust and oxidation protection and have demonstrated the ability to lower power consumption resulting in additional energy savings.

### APPLICATIONS

- Recommended for lubrication of rotary seaming machines, both enclosed and total loss systems.
- Highly recommended for applications where low temperature pumpability is a must.
- Clarion Synthetic Gear Fluids ISO 150 and 220 are designed for use in can seamers such as those made by Angelus Sanitary Can Seaming Company. The ISO 150 is recommended for high speed and the ISO 220 for low speed.

## COMPRESSORGARD

Clarion CompressorGard oils are designed for hydraulic systems and compressors used in the food service industry. These low-foaming fully synthetic lubricants are available in ISO viscosity grades 32, 46, 68.

### QUALITIES

- Comply with US FDA regulation 21 CFR 178.3570 for lubricants with the possibility of incidental food contact and are NSF H-1 (formerly USDA H-1).
- Provide outstanding wear, rust and corrosion protection. Their fully synthetic formulations offer excellent oxidation stability and provide long service life while effectively minimizing deposits in the discharge area of rotary screw compressors.
- Their very low pour point and high temperature stability makes them an ideal choice for a wide temperature range.

### APPLICATIONS

- Recommended for hydraulic systems and rotary screw and vane compressors in meat and poultry processing plants, bakeries and fruit and vegetable processing plants.
- They are compatible with seal and gasket materials normally used in hydraulic and compressor systems.
- Clarion Compressorgard 68 provides excellent service in vacuum pump applications.

## REFRIGERATION OIL

Clarion Synthetic Refrigeration Fluid is a high performance non-foaming lubricant formulated using synthetic base stocks. 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, and possesses naturally high VI allowing it to be used over a wide range of temperatures.

### QUALITIES

- Offers outstanding thermal and oxidation stability compared to mineral oils.
- Outstanding low temperature performance.
- Compatibility with most paints and elastomers used in refrigeration systems.
- Complies with US FDA regulation 21 CFR 178.3570 for lubricants with the possibility of incidental food contact and is NSF H-1 certified.

### APPLICATIONS

- Recommended for use with many refrigerants including; ammonia, carbon dioxide, Chlorofluorocarbons (CFC) such as R-12, 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 and is designed for use in rotary screw compressors.

## CERTIFICATIONS

NSF H-1 - Listed in "NSF Registered Proprietary Substances and Nonfood Compounds." These products are authorized for use under USDA Inspection and Grading Programs.