

Product Data Sheet

KLENES S

Refrigerator Compressor Lubricant

PRODUCT FEATURES

HIPRO KLENES S is premium quality hydrotreated *naphthenic mineral oils* primarily intended for use in refrigeration compressors. They have low pour points and excellent fluidity at very low temperatures by virtue of being almost wax-free. Use of HIPRO Klenes S oils helps to ensure that evaporator tubes are kept clean to improve heat transfer and to reduce downtime for maintenance.

APPLICATIONS

Recommended for cylinder and bearing lubrication in most conventional refrigeration compressors and other machinery operating at sub-zero temperatures.

- ◆ Large industrial reciprocating and rotary refrigeration compressors.
- ◆ Industrial applications such as food freezing and cold storage plants.
- ◆ Marine refrigeration applications.
- ◆ Use primarily with ammonia (R717) refrigerant, but also use with selected hydrocarbons (e.g. R600a), CFC (R12) and HCFC (R22).

Note: HIPRO Klenes S compatible with most refrigerants except carbon dioxide (CO₂). Not recommended for use with Freon or HFC refrigerants and breathing air compressors.

SPECIAL PROPERTISE

- ◆ Low wax - Excellent low temperature flow and evaporator heat transfer for optimum system efficiency.
- ◆ Outstanding oxidation stability, which reduces oil thickening and deposit formation.
- ◆ Excellent lubricity which guards against wear of compressor parts and excellent foam control.
- ◆ Good thermal stability that minimizes formation of gums, varnishes, etc. and extended service life.

TYPICAL SPECIFICATION

ISO Viscosity Grade		ISO 32	ISO 68	ISO 100
PROPERTY	UNIT	SPECIFICATIONS		
Colour		<1.0	<1.0	<1.0
Density at 15 °C	Kg/l	0.894	0.914	0.917
Viscosity at 40 °C	cSt	32	68	100
Viscosity at 100 °C	cSt	4.6	6.6	8.8
Pour Point	°C	-42	-36	-27
Flash Point	°C	190	202	221
Flocculation Point – R12	°C	-36	-29	-18

* The above specifications are typical of current production, variation in these characteristics may occur, but will not affect the product performance.

CAUTION: Continuous contact with used oil has caused skin cancer in lab animals. Avoid prolonged skin contact. Avoid eye contact. Wash skin thoroughly with soap and water after handling. Flush eyes with water for 15 minutes in case of contact. If swallowed, do not induce vomiting. Contact a physician immediately. **KEEP OUT OF REACH OF CHILDREN.**