Wilhelmsen Ships Service

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KLUBER SUMMIT RPE 68 (DRUM: 200 LTR)

Product group: **683** Product number: **210185**

Klüber Summit RPE 32 is a premium synthetic compressor oil designed to deliver excellent wear protection and optimal efficiency in refrigeration systems using modern HFC refrigerants.



Product information

Klüber Summit RPE series is based on selected polyol esters (POE). They have been designed for use in refrigeration compressors with chlorine-free HFC refrigerants. They have excellent chemical and thermal stability as well as superior lubricity characteristics with steel and aluminium.

Features

- Formulated with high-quality polyol esters (POE)
- Excellent thermal and chemical stability with HFC refrigerants
- Low pour points for reliable low-temperature performance
- Wide compatibility with refrigerants including R134a,h R-448A, R-449A, R-452A, R-12, R-13, R-22, R-23, R-401 A, R-401 B, R-402 A, R-402 B, R-404 A, R-407 C, R-410 A, R-500, R-502, R-503, R-507 and R-508 B
- Material compatibility with selected elastomers (e.g., NBR >36%, SBR, CR, NR, MVQ)

Benefits

- Ensures optimal lubrication and long oil life in demanding refrigeration systems
- Maintains performance under high thermal and chemical stress
- Prevents oil flow issues and supports efficient oil return in cold conditions
- Suitable for various refrigeration applications and refrigerant types
- Reduces risk of seal degradation and leakage, improving system reliability

Specification

General

Suggested Inventory Hazard Material classification	C-3

Physical properties

Appearance	clear
Colour	colourless
Density at 20°C [g/cm³]	~ 0.98 g/cm³
Kinematic viscosity (without solvent), DIN 51562 pt 01/ASTM D-445/ASTM D 7042, 40°C [mm²/s]	~ 68 mm²/s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C [mm²/s]	~ 9.3 mm²/s

Dimensions/Weight

Packing Size	200 LTR

Technical data

Shelf life [months]	60
Viscosity index, DIN ISO 2909	≥ 110

Performance data

Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus [°C]	≥ 255 °C
Pour point, DIN ISO 3016 [°C]	≤ -33 °C

Documents

SDoC 210185

Directions for use

Drain as much of the previously used compressor oil from the system as possible, making sure that the oil is drained while still warm. Afterwards clean or change the filters, then recharge with the operational Klüber Summit RPE series lubricant.

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