TECHNICAL DATA SHEET

17/07/2023 Ref. 00000000

Lunaria SK 55 - 100

Synthetic alkylbenzene oils for refrigerating compressors

APPLICATIONS

- Lunaria SK is a quality refrigeration compressors lubricant using CFC or HCFC refrigerants. Due to their chemical nature, these oils have superior miscibility with fluorocarbon refrigerant such as R12, R502 and R22 and are thus perfectly adapted to the low temperatures.
- Lunaria SK is also suitable for the cylinder lubrication of heavy duty reciprocating air compressors (discharge temperature > 200 °C).

ADVANTAGES

- Lunaria SK provides high chemical stability with refrigerants, low foaming tendency and excellent lubrication properties.
- Lunaria SK has very good miscibility behaviour with refrigerants allowing a good oil return to the compressor (down to – 60 °C at the evaporator).
  CAUTION: Deposits may clog filters when shifting from a mineral oil to a synthetic alkylbenzene oil during initial runs.

SPECIFICATIONS

- Conform with the following specifications: ISO 6743-3 DRE et DIN 51503 KC

APPROVALS

Suitable for the refrigerating compressors of the constructors below: APV, BITZER, BOCK, SABROE, YORK, REFCOMP…

TYPICAL CHARACTERISTICS

Properties	Units	Standards	Lunaria SK	
			55	100
Density at 15°C	kg/m^3	ISO 3675	872	876
Viscosity at 40°C	mm^2/s	ISO 3104	50	102
Viscosity at 100°C	mm^2/s	ISO 3104	5.9	8.4
Pour point	°C	ISO 3016	-33	-33
Flash point OC	°C	ISO 2592	200	210
Foaming test sequence 1 (tendency / stability)	ml/ml	ISO 6247	0/0	0/0
Miscibility 15 % oil in R22 (UCST)	°C	DIN 51514	-60	-40

For additional information, contact your local Totalenergies Lubricants representative or visit our web site: https://lubricants.totalenergies.com
This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or downloaded from https://sdstotalms.total.com

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