

Lunaria FR 32 - 46 - 68 - 100

Wax free naphtenic mineral oils for refrigerating compressors

APPLICATIONS

- Lubrication of cylinders, bearing and seals of refrigerating compressors.
- The Lunaria FR are compatible with most of chlorofluorinated refrigerant gases and with ammonia in compatible service conditions: evaporator temperature higher than - 15 °C (*).

(*) In fact, in case of low temperature refrigerating applications with ammonia, it is recommended to use the specific lubricants Lunaria NH or Lunaria SH.

ADVANTAGES

- High chemical stability with refrigerants.
- Absence of copper plating.
- Very good miscibility behaviour with refrigerants allowing a good oil return to the compressor (evaporator temperature higher than - 15 °C).

SPECIFICATIONS

Conform with the specification: ISO 6743-3
DRA et DRE

APPROVALS

Suitable for the refrigerating compressors of the following constructors: APV, BOCK, BITZER, GRAM, CARRIER, GRASSO, HOWDEN, J&E HALL, SABROE, YORK, LINDE...

TYPICAL CHARACTERISTICS

Properties	Units	Standards	Lunaria FR			
			32	46	68	100
Density at 15°C	kg/m ³	ISO 3675	898	899	900	900
Viscosity at 40°C	mm ² /s	ISO 3104	32	46	68	100
Viscosity at 100°C	mm ² /s	ISO 3104	4.5	5.6	7.0	8.8
Pour point	°C	ISO 3016	-42	-39	-33	-30
Open cup flash point	°C	ISO 2592	185	200	205	220

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://sds.totalms.total.com>