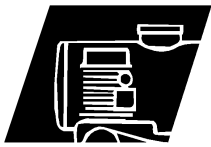


LUNARIA FR 32 - 46 - 68 - 100



Compressor

Wax free naphtenic mineral oils for refrigerating compressors.

APPLICATIONS

Refrigerating compressors using CFC, HCFC or NH₃ as refrigerant

- 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**.

SPECIFICATIONS

International standards OEM

- Conform with the specification : ISO 6743-3 DRA et DRE
- Suitable for the refrigerating compressors of the following constructors : APV, BOCK, BITZER, GRAM, CARRIER, GRASSO, HOWDEN, J&E HALL, SABROE, YORK, LINDE, ...

ADVANTAGES

Compressor safety

- High chemical stability with refrigerants.
- Absence of copper plating.

Wide operating conditions

- Very good miscibility behaviour with refrigerants allowing a good oil return to the compressor (evaporator temperature higher than - 15 °C).

TYPICAL CHARACTERISTICS	METHODS	UNITS	LUNARIA FR			
			32	46	68	100
Density at 15°C	ISO 3675	kg/m ³	898	899	900	900
Viscosity at 40°C	ISO 3104	mm ² /s	32	46	68	100
Viscosity at 100°C	ISO 3104	mm ² /s	4.5	5.6	7.0	8.8
Pour point	ISO 3016	°C	- 42	- 39	- 33	- 30
Flash point (open cup)	ISO 2592	°C	185	200	205	220

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS
Industrie & Spécialités
21-08-2020 (supersedes 23-11-2011)
LUNARIA FR 32-46-68-100
1/1



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 down loaded from www.quick-fds.com.