

LUNARIA FR 32 - 46 - 68 - 100 - 150



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 all types of refrigerating compressors.
- Lubrication of rotary screw compressors :
 - parallel screw
 - single screw with Zimmern type gear.
- The **LUNARIA FR** are compatible with most of chlorofluorinated refrigerant gases and with ammonia in compatible service conditions (*).

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

SPECIFICATIONS

OEM approvals/references

- APV, BOCK, BITZER, GRAM, CARRIER, GRASSO, HOWDEN, J&E HALL, SABROE, YORK.

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.

TYPICAL CHARACTERISTICS	METHODS	UNITS	LUNARIA FR				
			32	46	68	100	150
Density at 15°C	ISO 3675	kg/m ³	890	893	894	898	927
Viscosity at 40°C	ISO 3104	mm ² /s	30	43	68	101	150
Viscosity at 100°C	ISO 3104	mm ² /s	4.7	5.3	7	8.8	10.7
Floc point R12		°C	- 56	- 53	- 50	- 37	- 25
Pour point	ISO 3016	°C	- 40	- 35	- 34	- 30	- 21
Flash point (open cup)	ISO 2592	°C	165	171	175	198	200

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS

Industrie & Spécialités

18-10-2004 (supersedes 17-01-2003)

LUNARIA FR 32-46-68-100-150

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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.