LUNARIA SH 46 - 68





Compressor



Full-synthetic PAO based oil for ammonia (R 717) refrigerating compressors.

APPLICATIONS

Refrigerating compressors using ammonia as a refrigerant

- Lubrication of refrigerating compressors (reciprocating and screw) using ammonia as a refrigerant.
- PAO (polyalphaolefin) base oils to improve oil drain interval and ensure good performances even at very low temperature.
- Field of application : evaporator temperature down to -50°C.

SPECIFICATIONS

International Specification

OEM

- Conform with the following specifications: ISO 6743-3 DRA et DIN 51503 KA
- NSF-H1 registered

certificate number: 139826: LUNARIA SH 46 139827: LUNARIA SH 68

Suitable for the refrigerating compressors of the constructors below:
 APV, BOCK, J&E HALL, GRAM, GRASSO, HOWDEN, SABROE, ...

ADVANTAGES

Cleanliness and high performances of the compressor: Efficiency of the heat exchangers: Operation cost cutting:

- High resistance to oxidation in the presence of ammonia. Synthetic base oils and additivation system specillay selected to avoid the formation of black sludges (reaction between oil and ammonia).
- Low pour point, eliminating the risk of any residual lubricant freezing in the evaporator, thereby providing excellent heat exchange.
- Very high flash point given the low volatility of LUNARIA SH oils: oil consumption is reduced by 30 to 50 % compared with conventional oils.
- Warning: storage must be done in order to avoid the presence of water within the oil.
 Indeed, water could block the evaporator.

Storage:

METHODS	UNITS	LUNARIA SH	
		46	68
ISO 3675	kg/m³	830	835
ISO 3104	mm²/s	46	68
ISO 3104	mm²/s	7.8	10.7
ISO 3016	°C	- 60	- 57
ISO 2592	°C	268	278
ASTM D 892	mL/mL	0/0	0/0
IP 280 modified			
	%	+ 0.7	+ 1.1
	mg	10.0	7.0
NFT 60-152	mPa.s	940	1200
ASTM D 5800	%	3.0	2.5
NF ISO 6072			
	%	- 1.8	- 2.0
	%	- 5.0	- 5.5
	ISO 3675 ISO 3104 ISO 3104 ISO 3016 ISO 2592 ASTM D 892 IP 280 modified NFT 60-152 ASTM D 5800	ISO 3675 kg/m³ ISO 3104 mm²/s ISO 3104 mm²/s ISO 3016 °C ISO 2592 °C ASTM D 892 mL / mL IP 280 modified % mg NFT 60-152 mPa.s ASTM D 5800 NF ISO 6072 %	METHODS UNITS 46 ISO 3675 kg/m³ 830 ISO 3104 mm²/s 46 ISO 3104 mm²/s 7.8 ISO 3016 °C -60 ISO 2592 °C 268 ASTM D 892 mL / mL 0/0 IP 280 modified % + 0.7 mg 10.0 NFT 60-152 mPa.s 940 NF ISO 6072 % -1.8

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS INDUSTRIE 21-08-2020 (supersedes 07-02-2019) LUNARIA SH 46-68

