



Energol LPT-F

Refrigeration Compressor Oil

Description; Description

The Energol LPT-F lubricants are formulated from solvent-refined high quality naphthenic oils which have been especially refined to produce low pour and floc points

Applications; Applications

These grades are suitable for applications where manufacturers recommend naphthenic oils, and where the low evaporator temperatures demand the use of a lubricant with a low floc point. Energol LPT-F is suitable for use in systems where Freon 22, 11, 112, 113, 114, 502, and 522 are employed.

Energol LPT-F grades are approved for use by the following manufacturers: -
 - Carrier Corp. (USA)
 - Grasso
 - Hall (Bronswerk)
 - Worthington.

Main Benefits; Main Benefits

- very low floc point
 - low levels of paraffinic hydrocarbons, resulting in extremely low wax contents.

- good miscibility with HFC refrigerants at low temperatures.

Storage; Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration
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of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.; of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Health, Safety and Environment; Health, Safety and Environment

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.; Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of

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Typical Characteristics; Typical Characteristics

	Test Methods; Test Methods	Units; Units	Grade ;	Grade :
Density at 15°C	ISO 3675 ASTM D1298	kg/m ³	32 917	46 925
Flash Point (COC)	ASTM D92	°C	171	182
Viscosity KV @ 40°C	ISO 3104	mm ² /s	29	54
100°C	ASTM D445		4.3	5.8
Pour Point	ISO 3016 ASTM D97	°C	-42	-39
Colour	ISO 2049 ASTM D1500	-	1.0	1.0
Neutralisation Value	ASTM D664	mgKOH/g	<0.05	<0.05
R12 Insolubles (-40°C)	DIN 51590/1	%mass	0.01	0.01
Floc Point	DIN 51351	°C	<-50	<-50

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

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