Ester Base Oil (POE) for Refrigeration Compressor Oil
POE 22#, 32#, 46#, 68#, 100#, 120#, 150#, 170#, 220#, 320#

Description

Goncord ester based series compressor oil is synthesized by reacting a special neopentyl polyol with saturated fatty acids and dibasic acids, and then refined through a special process. This polyol ester has a high flash point, low pour point, is anti-coking, and biodegradable. It can be used independently or compounded with other oils, and can be used to formulate environmentally friendly compressor oil. High-performance compressor oil formulated with this polyol ester meets the requirements of DIN 51506 VD-L.

Features

1. Exceptional thermal oxidation stability
2. Low residual carbon, effective detergency, safe to use
3. Excellent low-temperature fluidity, biodegradability, and eco-friendliness
4. High viscosity index, superior hydrolysis stability, and remarkable anti-emulsification capabilities
5. Minimal volatility
6. Outstanding lubrication performance
7. Excellent air permeability and moisture separation ability

Typical Properties

Item	Method	Typical values									
		22#	32#	46#	68#	100#	120#	150#	170#	220#	320#
Visc@40°C, mm^2/s	GB/T265	20.7	33.3	45.8	67.2	98.2	116.9	152.7	174.7	221.5	322.5
Color	GB/T6540	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Density @ 20°C, kg/m^3	SH/T0604	1000	1000	1001	1002	1002	1001	1002	1002	1002	1006
Viscosity index	GB/T1995	122	130	123	114	113	102	115	107	115	132
Flash point, °C	GB/T3536	230	235	235	237	240	240	242	245	248	256
Pour point, °C	NB/SH/T 0886	-53	-52	-52	-52	-47	-47	-45	-44	-45	-36
Acidity, mgKOH/g	GB/T4945	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Goncord Chemical (S) Pte Ltd 18 Kaki Bukit Rd 3 #02-05 Singapore 415978 Tel: 65-67425995 Email: sales@goncordchemical.com