



Foodmax Air PAO

PAO based high performance food grade compressor lubricant

Description

Foodmax Air PAO oils are food grade, non-toxic synthetic oils developed for all types of compressors used in the food, beverage and pharmaceutical industries. Foodmax Air PAO offers enhanced performance in extremely demanding applications and shows excellent results in protection against wear and readily separates from water and air hence the fluid's ability to keep a lubricating film at all times even under the most challenging circumstances. Thanks to the latest available technology incorporating ester oil the fluid offers increased protection from internal wear and sludge formation whereas it will clean from the inside and dissolve any formation from pump components. This same technology provides better heat control and minimizes oxidization by keeping the fluid in a better condition offering a longer lifetime of the lubricant. Next to that Foodmax Air PAO possesses enhanced water separating ability to prevent from lubricant failure and increased oxidative stability into longer drain intervals and less tendency to lacquering.

Applications

Foodmax Air PAO is suitable for all types of compressors designed to operate in applications where ISO 46 and ISO 68 oil viscosities are used. Particularly suitable for use in rotary screw compressors. For optimum results, it is important to purge the system of the previous oil prior to recharging with Foodmax Air PAO.

Benefits

- Low friction coefficient provides excellent lubrication and reduces wear
- Increased lifetime
- Compatible with system components
- Reduced oil consumption
- Will reduce varnish and lacquering
- Fully synthetic oil provides extremely wide temperature and oxidation stability ensuring greatly extended servicing intervals
- High degree of demulsification provides greater lubrication efficiency
- Low foaming reduces residue, varnish and scum build-up, so reducing maintenance cost

All performance data on this Technical Data Sheet are indicative only and can vary during production

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Typical performance data

	Test method	PAO 32	PAO 46	PAO 68	PAO 100	PAO 150
Appearance		Transparent				
Base oil type		PAO				
Viscosity @ 40 °C, cSt	ASTM D445	32	46	68	100	150
Viscosity @ 100 °C, cSt	ASTM D445	6.1	7.85	10.4	13.9	18.7
Viscosity Index		>141	>141	>141	>140	>140
Density @ 20 °C	ASTM D4052	0.830	0.835	0.840	0.845	0.860
Flash point, °C	ASTM D92	>260	>260	>265	>265	>265
Pour point, °C	ASTM D97	<-50	<-50	<-50	<-50	<-40
TAN, mgKOH/gr	ASTM D664	<0.1	<0.1	<0.1	<0.1	<0.1
4 ball wear test, 1200 rpm @ 75°C, 40 kg, 1hr; mm	ASTM D4172	0.45	0.45	0.45	0.45	0.45
Foam Seq 1, tendency ml	ASTM D892	Nil	Nil	Nil	Nil	Nil
Demulsibility @ 54°C, min	ASTM D1401	40/40/0 (<30)	40/40/0 (<30)	40/40/0 (<30)	40/38/2 (<30)	40/38/2 (<30)
NSF registration	-	-	149068	149069	149070	-
Kosher approved	-	Yes	Yes	Yes	Yes	Yes
Halal approved	-	Yes	Yes	Yes	Yes	Yes

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