

## KYNOS SYNVAC FG

### Vacuum Pump Oils

KYNOS LUBRICATION PRIVATE LIMITED

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### KYNOS SYNVAC FG, PAO based Synthetic high performance food grade Compressor & Vacuum Pump Oil.

KYNOS SYNVAC FG oils are food grade, non-toxic synthetic oils developed for all types of compressors used in the food, beverage, and pharmaceutical industries. It 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 always keep a lubricating film 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 SYNVAC FG possesses enhanced water separating ability to prevent from lubricant failure and increased oxidative stability into longer drain intervals and less tendency to lacquering.

### Applications

- Use in Food and Beverage Industries for food processing plants, bottling lines and packaging machinery where accidental contact with food may occur.
- Pharmaceutical Industry: Pharmaceutical manufacturing equipment that requires stringent hygiene & safety standards.
- Used in food refrigeration systems where food safety is a priority.

### Performance Level & Specifications

- Meets safety standards of NSF H1
- Toxicity Standards: FDA 21 CFR 178.3570 and overall health & safety regulations
- Meets or exceeds OECD 301 standards for biodegradability and environmental compliance.

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### Typical Performance Data

Properties	Test Method	KYNOS SYNVAC FG				
		32	46	68	100	150
Appearance	Visual	Transparent	Transparent	Transparent	Transparent	Transparent
Base Oil	-	PAO	PAO	PAO	PAO	PAO
Viscosity Index	ASTM D-2270	>141	>141	>141	>140	>140
Viscosity @ 40 °C, mm <sup>2</sup> /s	ASTM D-445	32	46	68	100	221
Viscosity @100 °C, mm <sup>2</sup> /s	ASTM D-445	6.1	7.85	10.4	13.9	18.7
Flash Point, °C Minimum	ASTM D-92	>260	>260	>265	>265	>265
Pour Point, °C Max	ASTM D-97	<-50	<-50	<-50	<-50	<-40
Density @ 20°C	ASTM D-4052	0.830	0.835	0.840	0.845	0.860
4 Ball wear test, 1200rpm @75°C, 40kg, 1hr, mm	ASTM D-4172	0.45	0.45	0.45	0.45	0.45
TANm mgKOH/gr	ASTM D-664	<0.1	<0.1	<0.1	<0.1	<0.1
Demulsibility @54°C, min	ASTM D1401	40/40/0 (<30)	40/40/0 (<30)	40/40/0 (<30)	40/40/0 (<30)	40/38/0 (<30)
Foam Sequence 1, tendency ml	ASTM D-892	Nil	Nil	Nil	Nil	Nil

\*All performance data on this Technical Data Sheet are indicative only and may vary during production.

All Ingredients are FDA listed ingredients under 21 CFR 178.3570 and complies the requirement of NSF H1 and meet the USFDA 1998 H1 Guidelines.

These products do not contain genetically modified ingredients, and nut oil or derivatives. The product is non-