TEXOL
Chemical

Technical Data Sheet

Texol Turbosyn™ PG 400 Series

High performance fully synthetic compressor lubricant

Product Description

Texol Turbosyn™ PG 400 series lubricants high performance fully synthetic compressor lubricant designed with polyolester technology for use in refrigeration and air conditioning compressor systems. This product has demonstrated a significant contribution to keep-clean performance under numerous tests.

Product Highlights

- Synthetic lubrication technology
- Offer thermal and chemical stability with R134a
- Miscible with R134a over a wide temperature range
- Keep-clean system performance
- Aids resistance to copper transfer

Customer benefits

- Synthetic lubrication technology
- Polyolester technology offers thermal and chemical stability when used with environmentally responsible hydro fluorocarbon (HFC) refrigerants, especially R134a
- Promotes oil/refrigerant miscibility with R134a over a wide operational temperature range
- Synthetic lubrication technology contributes to compressor system keep-clean performance
- Aids resistance to copper transfer

Applications and Uses

- Texol Turbosyn™ PG 400 lubricants have been specifically developed in cooperation with major refrigerant compressor manufacturers worldwide, for use with chlorine-free HFC/FC refrigerants, including R134a, R404a, R407c or R410a
- Texol Turbosyn™ PG 400 lubricants are especially suited for the first-fill and retrofit lubrication of refrigeration compressor in large food retail units, industrial systems, air conditiıning, heat pump equipment and cooling systems in the transport sector

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Typical Properties

Property (Unit)	PG 400-22	PG 400-32	PG 400-46	PG 400-55	Method
Density at +15 °C	980	981	1005	1010	DIN 51757
Viscosity @40°C, cSt	22	32	46	55	DIN 51550
Viscosity @100°C, cSt	4.30	5.65	7.30	8.60	DIN 51550
Viscosity Index	158	165	170	178	DIN ISO 2909
Flash Point, °C	>240	>240	>240	>270	DIN ISO 2592
Pour Point, °C	<-50	<-48	<-48	<-39	DIN ISO 3016
Four ball weld load, N	1200	1200	1200	1300	DIN 51350-02
Steel corrosion	0	0	0	0	DIN 51585
FZG test (A/8.3/90)		>12			DIN 51354

Property (Unit)	PG 400-68	PG 400-100	PG 400-170	PG 400-220	Method
Density at +15 °C	984	1000	976	978	DIN 51757
Viscosity @40°C, cSt	68	100	170	220	DIN 51550
Viscosity @100°C, cSt	9.01	11.20	16.5	18.9	DIN 51550
Viscosity Index	185	190	195	198	DIN ISO 2909
Flash Point, °C	>260	>260	>260	>260	DIN ISO 2592
Pour Point, °C	<-38	<-30	<-27	<-27	DIN ISO 3016
Four ball weld load, N	1300	1400	1400	1500	DIN 51350-02
Steel corrosion	0	0	0	0	DIN 51585
FZG test (A/8.3/90)		>12			DIN 51354

Technical Expertise

Texol experts on Texol Turbosyn™ PG 400 series lubricants are regionally located to respond to your needs.Whether you have a question about products, applications or regulations, Texol offers comprehensive customer and technical service.