



Texol Turbosyn™ PG 400 Series

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 conditioning, 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.

The statements made in this publication are according to our present knowledge. They do not absolve the user from own examinations. A legally binding assurance of certain properties or suitability for a specific use can no be derived from our statements. Possibly existing laws and regulations concerning the handling and use of our products have to be observed by the receiver of our products himself.