

TEXOL

Chemical

Technical Data Sheet

Texol Turbosyn™ VZF D-68 RC

Premium performance compressor fluids

Customer benefits

Texol Turbosyn VZF D-68 RC is a robust and highly stable advanced technology compressor lubricant specifically formulated to deliver high performance thermal stability, particularly in the very low temperatures present in latest-generation compressors in refrigeration equipment and air conditioning systems.

Designed with specially formulated naphthenic pale oils and high performance temperature stability additive systems, these advanced fluids are designed to meet and exceed major compressor manufacturers performance requirements, delivering a very low freon floc temperature of -45°C.

Turbosyn VZF D-68 RC's leading edge low temperature performance optimises system efficiency and service life through very robust and highly reliable chemical and thermal stability. Turbosyn VZF D-68 RC is highly resistant to waxing at very low temperatures, protecting expansion valve efficiency and capillary performance, and ensuring smooth operation over very long service periods, with the minimum of downtime.

This efficient compressor operation is enhanced through Turbosyn VZF D-68 RC's chemically stable performance in the presence of ammonia and fluorinated hydrocarbons such as R-12 and R-22, minimising varnish and sludge formation over extended operating periods.

Turbosyn VZF D-68 RC's high performance formulation minimises water content to very low levels, delivering maximum corrosion protection, high efficiency ice-free operation, and extended equipment service life.

Applications and Uses

- Recommended for use in refrigeration compressors and air conditioner systems using fluorinated hydrocarbon refrigerants, or ammonia.
- Recommended for use in compressor systems running on fluorinated hydrocarbon refrigerants where minimum evaporator temperatures of -45°C (R12), -35°C (R22) and -25°C (R502) are present.

Performance

- DIN 51.503 standart
- BS 2626:1992, Type A Lubricants
- NATO standard VV-L-825

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Density, 15°C, Kg/l	0.914	ASTM D0941
Visc.Kinematic at 40°C	68	ISO 3104
Visc.Kinematic at 100°C	6.56	ISO 3104
Visc. Index	105	ISO 2909
Neutralization Nr,mg KOH/g	0.01	DIN 51558/1
Flash Point °C	199	ISO 2592
Pourpoint °C	-35	ISO 3016

Specifications

- Sulzer
- Bitzer
- Tecumsec
- Carrier York
- Sabroe
- J & E Hall

For several grades the following OEM's recommend Turbosyn VZF D-68 RC's

- Tecumsec, Belgium Daikin, Heinrich Huppman(G), Dorin(I), Matsushita(J), Trane, DWM Copeland(US), Kelvinator Inc(US), Carrier