



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

5 Tarlington Place Smithfield NSW 2164

Correspondence: P.O Box 322 Castle Hill NSW 1765

Ph: 1300 796 009 | Fax: (02) 9604 1611 | Email: hitecoils@hi-tecoils.com.au

[www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)

## PRODUCT DATA SHEET

### FG COMPRESSOR FLUIDS

#### PRODUCT DESCRIPTION

**Hi-Tec FG Compressor Fluids** are synthetic hydrocarbon based food grade lubricants recommended for use in compressors systems in food processing plants where incidental food contact can occur. They are especially recommended for rotary compressors where incidental food contact may occur with oil in the discharge air.

**Hi-Tec FG Compressor Fluids** are formulated from synthetic Polyalpha Olefins, renowned for their excellent thermal stability and lubricity. The ashless additives used boost the oxidation stability of the base oils and provide excellent anti-corrosive protection for steel and non-ferrous metals. Good demulsability of the fluids are maintained.

#### FOOD STATUS:

**Hi-Tec FG Compressor Fluids** meet the H-1 approval requirements of the NSF where incidental food contact can occur.

All fluid components comply with FDA 21 CFR 178.3570 "Lubricants with incidental food contact".

**Hi-Tec FG Compressor Fluids** conform to all the requirements of Halal as endorsed by the Federation of Islamic Councils, and also the requirements of the New Zealand Food Safety Authority and AgriQuality.

#### APPLICATION:

**Hi-Tec FG Compressor Fluids** are recommended for use in food processing, baking, bottling, canning, meat processing and pharmaceutical industries where incidental food contact can occur.

#### BENEFITS OF Hi-Tec FG Compressor Fluids:

- Longer life with fewer oil changes, up to 8000 hours.
- Compatible with mineral oils and most synthetic oils
- Reduced compressor maintenance
- Lower oil consumption and energy costs
- Excellent antiwear properties result in extended equipment life
- Rust and oxidation-inhibition result in extended equipment life
- Long fluid life without gumming or discolouring
- Meet all requirements of FDA Regulation 21 CFR 178.3750



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**Hi-Tec FG Compressor Fluids** have a shelf life of up to two years from the date of manufacture, provided they are stored in a closed container away from heat and moisture.

### TYPICAL PROPERTIES

PROPERTY	ASTM METHOD	RESULTS	
ISO Grade		46	68
Appearance	Visual	Clear	Clear
Yellow	Yellow		
Viscosity @100 °C, cSt	ASTM D455	7.8	10.2
Viscosity @40 °C, cSt	ASTM D445	47	65
Viscosity Index	ASTM D2270	135	143
Specific Gravity @15°C	ASTM D1298	0.83	0.84
Pour Point, °C	ASTM D97	-50	-50
Flash Point, °C	ASTM D92	270	250

“The facts stated and the recommendations made herein are believed to be accurate. No guarantee of their accuracy is made however, and unless otherwise expressly provided for in written contract, the product is sold without conditions or warranties, expressed or implied. Purchasers should determine the suitability of such products for their particular use. “

**Effective:** July 2012

**Expires:** July 2014

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