



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

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PRODUCT DATA SHEET

SYNTHETIC COMPRESSOR OILS (ISO 32 – 220)

PRODUCT DESCRIPTION

Synthetic Compressor Oils are synthetic, zinc free, ashless, anti-wear oils blended from a complex mixture of PAO base stocks and esters possessing a very high viscosity index and low pour point. These oils give a long trouble-free service life and will be chemically stable under severe operating conditions. They give excellent protection against corrosion; resist emulsification and any formation of unwanted stable foam.

The continuing trend towards higher compressor system pressures and reductions in pump and equipment sizes requires higher performance levels from the lubricants used. Hard working compressor oils are called upon to lubricate, seal and cool the working components under increasing temperature, turbulence and pressure. The continuing need to maintain performance over extended service intervals requires that the specification of additive systems also continues to advance.

Synthetic Compressor Oils are formulated to meet all these requirements, using synthetic polyalphaolefin based oils and esters, augmented with performance additives including a special ashless multifunctional oxidation, rust and wear inhibiting additive package with superior service life under extreme pressures and temperatures.

BENEFITS

The performance benefits of these formulations include:

- Excellent thermal and hydrolytic stability
- Very high oxidation stability: extended service life
- Good demulsibility and anti-foam properties
- High load carrying capacity - excellent EP performance
- Excellent corrosion protection for steel and non-ferrous metals
- Good filterability - lower tendency to block filters
- Reduced pump wear

SPECIFICATIONS

Synthetic Compressor Oils meet or exceed the requirements of many international tests and specifications for industrial and mobile hydraulic and compressor systems including the following:

For compressor oils:

DIN 51506 (VBL, VCL, VDL)

ISO/DP 6521 (DAA, DAB, DAH, DAG, DAJ)

For hydraulics:

DIN 51524, parts 1, 2 and 3 (HL, HLP, HVLP)

SEB 181 222

VDMA 24318

ISO 6743/4 (HM, HV)

US Steel 126, 127 and 136

SIS SS 155434

Cincinnati Machine P-68, P-69, P-70

Denison HF-0, HF-1, HF-2

Parker Hannifin France HF-0

AFNOR NFE 48-603 (HM, HV)

Sperry Vickers I-286-S, M-2950-S

ISO 11158 (HM, HV)

Hi-Tec suggests that the equipment manufacturers' recommendations for viscosity grade, performance requirements and general operating conditions should be checked prior to use.



AUSTRALIAN FAMILY OWNED SINCE 1989





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TYPICAL TEST

COMPRESSOR OILS

	2786	2799	2784	2783	2915	2918
Item code (HI6-)						
ISO Viscosity Grade	32	46	68	100	150	220
Density (kg/Lt) @ 15°C	0.842	0.844	0.846	0.848	0.851	0.852
Viscosity (cSt) @ 40°C	32	46	68	100	150	220
@ 100°C	6.74	7.58	10.31	13.8	19.3	25.72
Viscosity Index	161	131	138	139	147	149
Colour	Amber	Amber	Amber	Blue	Amber	Amber
Flash Point COC (°C)	249	257	261	264	269	278
Pour Point (°C)	-60	-58	-52	-47	-41	-41
Oxidation Characteristics -						
Hours to TAN 2.0	>6500	>6500	>6500	>6500	>6500	>6500
Rust Prevention -						
Salt Water @ 48 Hours	Pass	Pass	Pass	Pass	Pass	Pass
Foam Characteristics -						
All Sequences after Settling	Nil	Nil	Nil	Nil	Nil	Nil

Available in: Bulk, 200 Litres and 20 Litres

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.hi-tecoils.com.au. Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at www.hi-tecoils.com.au"

Effective: February 2020

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