



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

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PRODUCT DATA SHEET

SEMI SYNTHETIC COMPRESSOR OIL 68

Hi-Tec Semi Synthetic Compressor Oil 68 is a semi synthetic, zinc free, ashless, anti-wear oil blended from severely refined Group III base oil & a complex mixture of synthetic PAO oils possessing a very high viscosity index and low pour point. This oil gives a long trouble free service life and will be chemically stable under severe operating conditions. It gives excellent protection against corrosion; resists 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.

Hi-Tec Semi Synthetic Compressor Oil 68 is formulated to meet all these requirements, using synthetic polyalphaolefin and severely refined Group III paraffinic based oils, 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 this formulation 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

Hi-Tec Semi Synthetic Compressor Oil 68 meets or exceeds the requirements of many international tests and specifications for industrial and mobile hydraulic and compressor systems including:

For compressor oils:

- DIN 51506 (VBL, VCL, VDL)
- ISO/DP 6521 (DAA, DAB, DAH, DAG)

For hydraulics:

- DIN 51524, parts 1, 2 and 3 (HL, HLP, HVLP)
- Cincinnati Machine P-69
- SEB 181 222
- VDMA 24318
- ISO 6743/4 (HM, HV)
- US Steel 126, 127 and 136
- SIS SS 155434
- * 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)



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TYPICAL PROPERTIES

PROPERTY		TEST METHOD	RESULTS
ISO Viscosity			68
Appearance	--	Visual	Natural
Density @ 15°	Kg / L	ASTM D 1298	0.845
Viscosity @ 40°C	cSt	ASTM D 445	68
Viscosity Index		ASTM D 2270	142
Copper Strip	3hr, 100C	ASTM D 130	1a
FZG Load	Fail Stage	DIN 51534	>12
Rust Characteristics		ASTM D 665 A, B	Pass
Flash Point	°C	ASTM D 92	247
Pour Point	°C	ASTM D 97	-15

"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"

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