



## PRODUCT DATA SHEET

### SEMI-SYNTHETIC COMPRESSOR OILS (ISO 46 & 68)

#### PRODUCT DESCRIPTION

**Semi-Synthetic Compressor Oils 46 & 68** are semi-synthetic, zinc-free, ashless, anti-wear oils blended from severely refined Group III base oil and a complex mixture of synthetic PAO oils possessing a very high viscosity index and low pour point. These oils provide a long trouble-free service life and will be chemically stable under severe operating conditions. They give 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.

**Semi-Synthetic Compressor Oils 46 & 68** are formulated to meet all these requirements, using synthetic polyalphaolefin and severely refined Group III paraffin base 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 **Semi-Synthetic Compressor Oils 46 & 68** 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

**Semi-Synthetic Compressor Oils 46 & 68** meet or exceed the requirements of many international tests and specifications for industrial and mobile hydraulic and compressor systems including:

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

- AFNOR NFE 48-603 (HM)
- Denison HF-0, HF-1, HF-2
- DIN 51524, parts 1, 2 (HL, HLP)
- Cincinnati Machine P-70
- ISO 6743/4 (HM)
- ISO 11158 (HM)
- Parker Hannifin France HF-0
- SEB 181 222
- Sperry Vickers I-286-S, M-2950-S
- SIS SS 155434
- US Steel 126, 127 and 136
- VDMA 24318



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

### TYPICAL PROPERTIES

Property	ASTM Method	Typical Results	
ISO Viscosity		<b>46</b>	<b>68</b>
Item Code (HI6-)		2798	2797
Appearance	--	Visual	Natural
Density (kg/Lt) @ 15°C	D-1298	0.843	0.845
Viscosity (cSt) @ 40°C	D-445	46	68
Viscosity Index	D-2270	136	142
Copper Strip	D-130	1a	1a
FZG Load	DIN 51534	>12	>12
Rust Characteristics	D-665 A, B	Pass	Pass
Flash Point (°C)	D-92	243	247
Pour Point (°C)	D-97	-21	-15

### Available in:

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

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