



PRODUCT DATA SHEET

PREMIUM TURBINE OILS (ISO 32 to 320)

PRODUCT DESCRIPTION

Hi-Tec Premium Turbine Oils are multifunctional R&O (rust and oxidation inhibited) oils for use in equipment placing high demands on the lubricant. These turbine oils are also suitable for use in some compressor applications.

Hi-Tec Premium Turbine Oils are blended from premium quality hydro-cracked Group II paraffinic base oils possessing a high viscosity index and low pour point, and multifunctional ashless additive packages. The combination of these components provides outstanding oxidative stability and corrosion inhibition for a long trouble free service life.

Hi-Tec Premium Turbine Oils resist emulsification, and formation of unwanted stable foam. Sludge formation is prevented and protection against ferrous and non ferrous corrosion is maintained.

BENEFITS

The performance benefits of **Hi-Tec Premium Turbine Oils** include:

- High oxidation stability
- Good thermal stability
- Excellent hydrolytic stability
- Protection against sludge formation
- Good protection against corrosion of steel and non-ferrous metals components
- Excellent demulsifying behavior and
- Low foaming tendencies

SPECIFICATIONS

Hi-Tec Premium Turbine Oils meet or exceed the requirements of many international tests and specifications for R & O turbine and hydraulic systems including:

- Cincinnati-Machine P-38 (HL 32), P-55 (HL 46), P-54 (HL 68), P-57 (HL 150)
- ASTM D4304
- DIN 51524 Part 1 (HL)
- DIN 51506 (VBL, VCL, VDL)
- DIN 51517 Part 2 (CL)
- DIN 51515, Part 1 (L-TD), Part 2 (L-TG)
- ISO/DP 6521 (DAA, DAB, DAH, DAG)
- AFNOR NF E 48-603 (HL)
- Siemens TLV 9013 04/01
- British Standard BS 489

PTO



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SPECIFICATIONS (cont)

- General Electric GEK 32568 A/C
- MIL-L-17672 D
- US Steel 120
- CEGB Standard 207001
- Brown Boveri / Alstom HTGD 90117 V0001S
- Westinghouse Electric Corporation Turbine Oil Specification
- ISO 8068
- Solar ES 9-224

TYPICAL PROPERTIES

PROPERTY		ASTM METHOD	RESULTS					
			32	46	68	100	150	320
ISO Viscosity			32	46	68	100	150	320
Item Code			2599	2598	2594	2591	2587	2593
Appearance	-	Visual	Clear, bright					
Density @ 15°C	Kg / L	ASTM D 1298	0.855	0.864	0.872	0.874	0.880	0.902
Viscosity @ 40°C	cSt	ASTM D 445	32	46	68	100	150	320
Viscosity @ 100°C	cSt	ASTM D 445	5.4	6.75	8.9	11.8	15	24.3
Flash Point	°C	ASTM D 92	219	229	273	267	270	273
Pour Point	°C	ASTM D 97	-39	-36	-21	-18	-25	-21
Copper Corrosion		ASTM D 130	1A	1A	1A	1A	1A	1A
Rust Test		ASTM D 665A, B	Pass	Pass	Pass	Pass	Pass	Pass
Demulsibility	min	ASTM D 1401	5	5	10	10		10
Oxidative Stability								
-Sludge (1000hr)	mg	ASTM D 4310	10.8	10.8	10.8	10.8	10.8	10.8
-KOH/g TAN (1000hr)	mg	ASTM D 4310	0.07	0.07	0.07	0.07	0.07	0.07
-Hours to TAN 2	mg KOH/g	ASTM D 943	14000	14000	14000	14000	14000	14000

"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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