

INDUSTRIAL

HiTEC[®] 2584

Premium Turbine Oil Additive



Formulated to Meet the Needs of Modern Turbines Delivering
Excellent Demulse Properties

 **Afton**
CHEMICAL
Passion for Solutions[™]

HiTEC® 2584 Premium Turbine Oil Additive

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Application

HiTEC® 2584 is an ashless rust and oxidation inhibitor package with enhanced demulse retention for use in turbine applications.

HiTEC® 2584 contains a synergistic antioxidant system which will impart extended oxidation life delivering outstanding demulse performance and turbine oil life.

Key Performance Benefits

- Excellent base oil coverage and solubility in Group I, II and III base oils
- Formulated to give excellent water separation properties (IP19 and D1401) for fresh and also for aged oils to replicate in-service conditions for turbine protection
- Extended oil drain interval resulting in reduced disposal costs
- Robust rust and corrosion performance delivering maximized equipment life
- Improved sludge and varnish deposit control for reduced downtime and maintenance costs.

Recommended Dosage

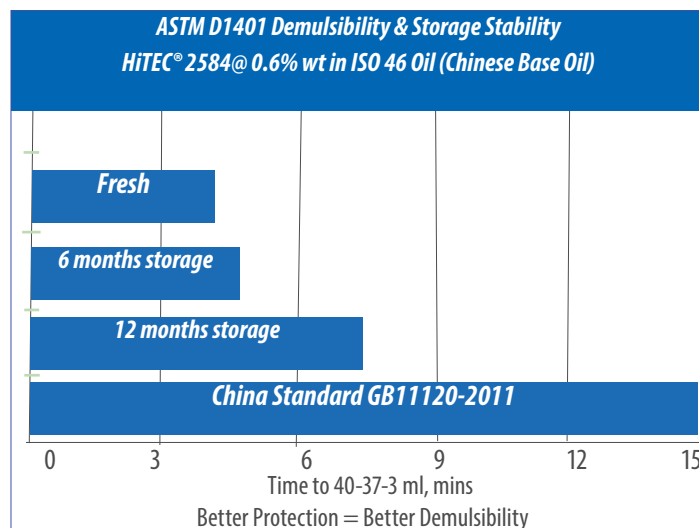
Recommended treat rate for HiTEC® 2584 additive is 0.6%wt. Please contact your Afton Chemical representative for specific recommendations.

Typical Characteristics

Appearance	Dark brown liquid
Specific Gravity @ 15.6/15.6°C	0.978
Flash Point (PMCC), °C	105 min.
Kinematic Viscosity @40°C, mm ² /s	17

Handling Information

Max Handling Temp: 80°C
Shelf Life: 24 months at ambient temperature



Oxidative Stability Performance of HiTEC® 2584@ 0.6% wt in Group II and Group III Base Stocks

Test	Results		GE GEK 107395A
Blend & Viscosity Grade	Group II Base Stocks ISO 32	Group III Base Stocks ISO 32	
Life TOST, hrs ASTM D943	>10,000 (TAN=0.22)	>10,000 (TAN=0.12)	7,000 min
RPVOT, mins ASTM D2272	1,214	1,581	1,000 min

Performance Profile

Oils blended in suitable base stocks with HiTEC® 2584 at 0.6 wt% are capable of meeting the following specifications:

- Siemens TLV 9013 04 (non-EP)
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- ALSTOM HTGD 90 117 V0001 X (non-EP)
- General Electric GEK 32568G and 46506E
- GB 11120-2011 L-TSA, L-TGA
- ISO 8068:2006(E) L-TSA, L-TGA
- DIN 51515 Parts I & II
- British Standard 489:1999, ASTM 4304
- Siemens 55125Z3, Solar ES9-224W