

INDUSTRIAL | TURBINE

HiTEC[®] 55600

Mainstream Turbine Additive Package



High Performance Turbine Oil Additive Package with
Extended Water Separation for Use in Simple and Combined
Cycle, Gas & Steam Turbines



 **Afton[®]**
CHEMICAL
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Application

HiTEC® 55600 is a mainstream ashless additive package with enhanced demulse retention for use in turbine applications. HiTEC® 55600 contains a synergistic antioxidant system which will impart extended oxidation life to turbine oils formulated with this package.

Key Performance Benefits

- Formulated to give excellent water separation properties (IP19 and ASTM D1401)
- Extended oil drain interval resulting in reduced disposal costs
- Improved sludge and varnish deposit control for reduced downtime and maintenance costs.
- Robust rust and corrosion performance delivering maximized equipment life
- Soluble in Group I, II, and III base oils

Recommended Dosage

Recommended treat rate for HiTEC® 55600 additive is 0.6% wt in suitable basestock. For geared turbine applications, Afton recommends the use of HiTEC® 511T depending on base oil composition and antiwear requirement. Please contact your Afton Chemical representative for specific recommendations.

Typical Characteristics

Appearance	Ambert to dark brown liquid
Specific Gravity at 15.6/15.6°C	0.981
Flash Point (PMCC), °C	95 min.
Kinematic Viscosity at 40°C, mm ² /s	14

Handling Information

Max Handling Temp: 60°C
Shelf Life: 24 months at ambient temperature

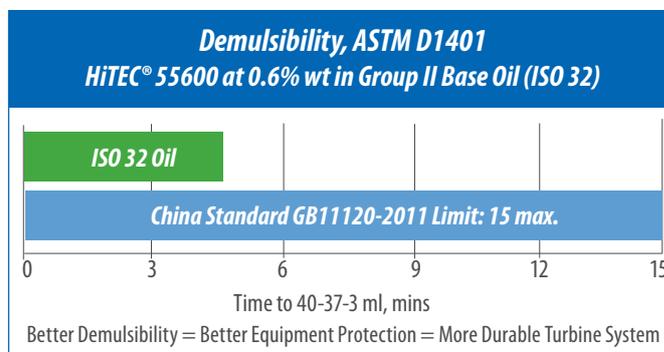
Performance Profile

Oils blended in suitable base stocks with HiTEC® 55600 at 0.6% wt are capable of meeting the following specifications:

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|---|--|
| <ul style="list-style-type: none"> • GE Power HTGD 90117 V0001 (non-EP) • GE Power GEK 32568K, 46506E, 121608 (non-EP), 28143B, 27070, 120498 and 107395A. • Siemens TLV 9013 04 (non-EP) • Siemens TLV 9013 05 (non-EP) • Solar ES9-224W Rev. AA • ISO 8068 L-TSA and L-TGA • GB 11120-2011 L-TSA L-TGA | <ul style="list-style-type: none"> • JIS K 2213 Type 2 • British Standard 489:1999 • DIN 51515 Parts I & II • DIN 51524 Part I • ASTM D4304-06A Type I & II • AGMA 9005 F-16 • AIST 120 and 125 • FIVES P38/P54/P55 (Obsolete) |
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Wet Filterability, ISO 13357-1
HiTEC® 55600 at 0.6% wt in Group II Base Oils

Test	Results			Limit GB 11120-2011 / ISO 8068:2009
	ISO 32	ISO 46	ISO 68	
Blend & Viscosity Grade	ISO 32	ISO 46	ISO 68	
Wet Filterability (ISO 13357-1)				
F I, %	90.3	87.2	89.7	Pass / 50 min.
F II, %	80.0	73.0	81.1	Pass / 50 min.

