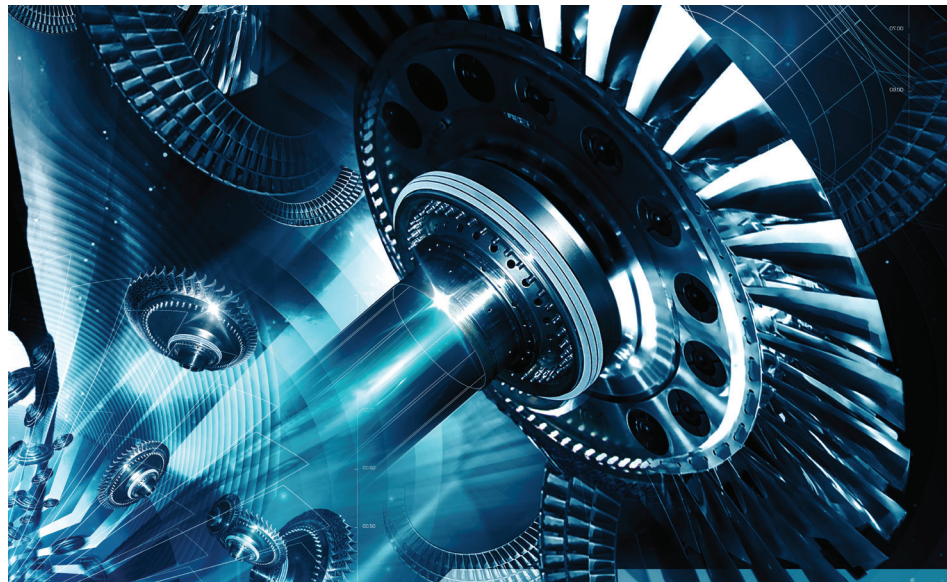


INDUSTRIAL | TURBINE

HiTEC[®] 2505

Top Tier Turbine Additive Package



Best in class turbine oil additive package for use in demanding high performance open and combined cycle, gas and steam turbines



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



HiTEC® 2505 Top Tier Turbine Additive Package

Best in class turbine oil additive package for use in demanding high performance open and combined cycle, gas and steam turbine

Application

HiTEC® 2505 top tier ashless additive is intended for use in demanding high temperature gas, steam and combined cycle turbine oil applications.

HiTEC® 2505 is designed for Group II and Group III base stocks and contains a groundbreaking patented antioxidant system which imparts extended oxidation life. This additive technology is designed to give unsurpassed control of sludge, varnish and related deposits.

Key Performance Benefits

- Unique stay-clean technology, increases the reliability of valves, filters and bearings and reduces unplanned downtime and maintenance
- Specially developed to give excellent water separation performance throughout the oil service life
- Advanced filterability, even in the presence of trace contaminants
- Contains silicon-free antifoam for excellent foam control resulting in reliable operation
- Formulated to meet the most demanding OEM specifications

Recommended Dosage

Recommended treat rate for HiTEC® 2505 additive is 0.7% - 0.8% wt. in suitable base stocks.* Please contact your Afton Chemical representative for specific recommendations.

Typical Characteristics

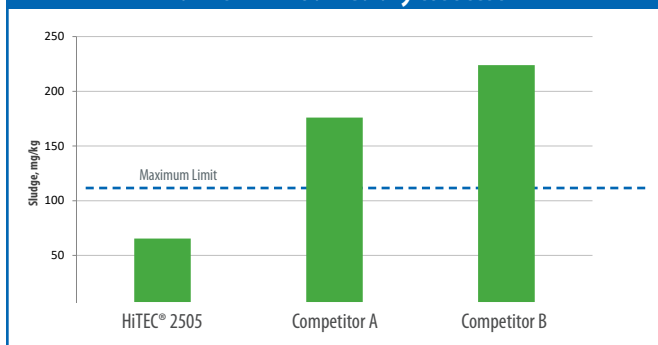
Appearance:	Clear Amber to Dark brown liquid
Viscosity at 40°C, cSt:	44
Flash Point, °C (PMCC):	100 min.
Specific Gravity 15.6/15.6°C:	0.927

Handling Information

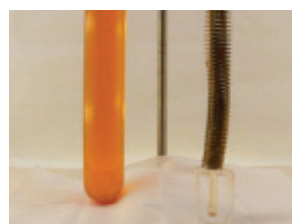
Maximum Storage Temp: 40°C
Maximum Blending and Handling Temp: 65°C
Shelf Life: 24 months at ambient temperature

* Testing by Afton Chemical has shown that it is possible to meet the requirements of specifications containing the Dry TOST test using HiTEC® 2505 at 0.8% in Chevron Group II and at 0.7% in Yubase Group III.

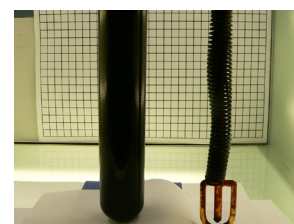
HiTEC® 2505 Demonstrated outstanding control of sludge & varnish in modified dry tost test



Dry TOST Comparison of HiTEC® 2505 at 120 °C vs. Leading Competitive Additive Package



HiTEC® 2505, in Group III base oil
Run to 1848 hours
Low Deposit



Leading competitor additive package, in Group III base oil
Run to 1848 hours
High Deposit and oil degradation

Performance Profile

Correctly formulated oils using HiTEC® 2505 are capable of meeting the following specifications in suitable base oils. Please contact your Afton Chemical representative for specific recommendations:

- GEK 107395A, 32568K, 27070, 28143B and 46506E
- Siemens TLV 9013 04 (non-EP), TLV 9013 05 (non-EP)
- ALSTOM HTGD 90 117 V0001Y (non-EP)
- DIN 51515 Parts I & II
- Solar ES9-224W
- British Standard BS489
- Chinese National Oil Standard GB 11120-2011
- ISO 8068 L-TSA and L-TGA
- ASTM D4304-06A Type I and III
- AIST 120 and AIST 125
- JIS K 2213