

# COMPONENTS

## HiTEC<sup>®</sup> 536

Rust Inhibitor



Provides Excellent Rust Protection, Water Separation and Oxidation Stability

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### Application

HiTEC® 536 is a carboxy-imidazoline mixture that functions as a versatile ashless rust inhibitor for use in R&O, hydraulic oils, turbine oils, circulating oils, and a wide range of other industrial lubricants and greases. It provides excellent rust protection, water separation and oxidation stability.

### Key Performance Benefits

- Rust protection
- Water separation
- Enhanced oxidation stability
- Multifunctional - useful in many different lubricants and grease applications

### Recommended Dosage

The recommended treat rate for HiTEC® 536 is 0.05% to 2.0% wt. depending upon the application. Please contact your Afton Chemical representative for specific recommendations.

### Typical Characteristics

Appearance	Dark red-brown viscous liquid
Density, lbs/gal.	7.75
Specific Gravity @ 15.6/15.6°C	0.930
Viscosity @ 100°C, cSt	39
Flash Point, °C (PMCC)	110 min.

### Performance

With special interest in turbine oil applications, Afton has tested HiTEC® 536 in fully formulated turbine oils with Group I and II base oils. Based on the performance of specific base oils, treat rates will vary.

<i>HiTEC® 536 in Fully Formulated Turbine Oil In Group II Base Oil</i>		
<i>HiTEC® 536 % wt. in finished oil</i>	<i>0.10</i>	<i>0.05</i>
ASTM D665B Rust Test	Pass	Pass
ASTM D665A Rust Test	Pass	Pass

<i>HiTEC® 536 in Fully Formulated Turbine Oil In Group I Base Oil</i>		
<i>HiTEC® 536 % wt. in finished oil</i>	<i>0.14</i>	<i>0.08</i>
ASTM D665B Rust Test	Pass	Pass
ASTM D665A Rust Test	Pass	Pass

### Handling Information

Max Handling Temp: (<24 hours): 70°C  
Shelf Life: 6 months @ 50°C  
12 months @ ambient (10-35°C)