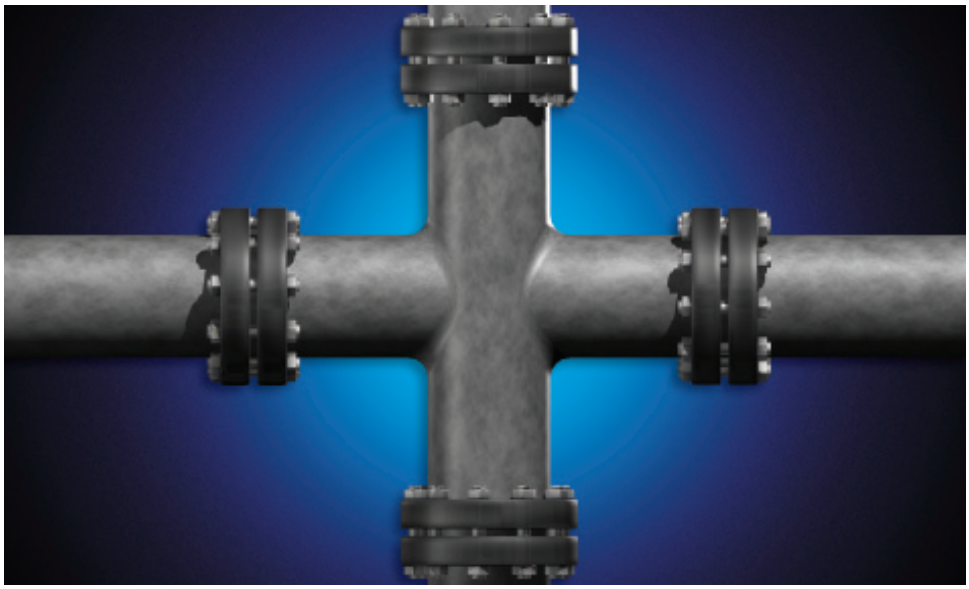
FUELS

HiTEC® 580

Specification and Distribution Additive



Corrosion Inhibitor and Lubricity Improver

Afton® CHEMICAL
Passion for Solutions™

HiTEC® 580 Specification and Distribution Additive

Corrosion Inhibitor and Lubricity Improver

Key Performance Benefits

HiTEC® 580 is an industry recognised corrosion inhibitor and lubricity improver designed and approved for use in jet fuel, pipeline applications and stationary gas turbines .

Jet fuel

- Worldwide military approval
- Approved for DEF STAN 91-91 use and listed in QPL 68-251
- U. S. military qualified products list, MIL-I-25017, Category
- Commercial aircraft engine approvals including General Electric, Pratt & Whitney, Rolls Royce & Allison
- More detailed approval list available on request

Pipeline

- Suitable in pipelines designed for the transportation of light petroleum products
- Minimises corrosion and formation of corrosion products
- Minimises risk of pipeline filter and pump blockages due to products of corrosion
- Good low temperature properties and relatively high flash point permitting ease and safety of application

Stationary gas turbine

- Provides lubricity protection for light distillate
- Protects against catastrophic failure caused by excessive wear
- Reduces corrosion

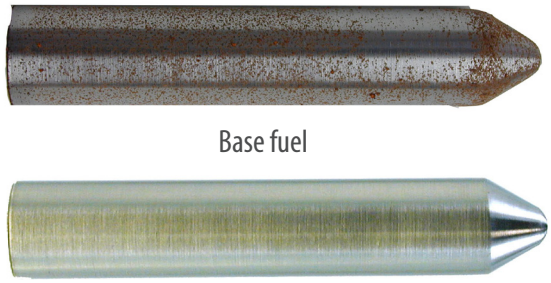
Recommended Dosage

HiTEC® 580 additive is approved for jet fuel specifications at a minimum treat-rate of 15mg/l and a maximum of 23mg/l.

The treat-rate for HiTEC® 580 additive as a corrosion inhibitor will vary based upon its use. When used in a pipeline as a first fill an initial treat-rate 22.5 g/m^3 is recommended, followed by continuous treatment at a dosage of 6 –9 g/m^3

HiTEC® 580 additive should be used in stationary gas turbines at a treat-rate of 150µl/l to provide maximum protection.

HiTEC® 580 Protects Pipelines Against Corrosion



Base fuel

Base fuel + HiTEC® 580

Typical Characteristics

Appearance:	Clear amber oily liquid
Density at 15°C, g/ml:	0.916
Density, lbs/gal:	7.65
Specific Gravity at 15.6/15.6°C:	0.917
Flash Point, °C (PMCC):	66 min
Pour Point, °C:	-18 max.
Kinematic Viscosity at 40°C, mm^2/s:	136 max

Handling Information

Max Handling Temp: 40˚C (102°F)
Shelf Life: 6 months at 25˚C

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