

COMPONENTS

HiTEC[®] 511T

Zinc-free Ashless Antiwear/Extreme Pressure Agent



For Use in Formulating Industrial Oils, Gear Oils, Greases and Metalworking Fluids

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Application

HiTEC® 511T is an ashless, chlorine-free dialkyldithiophosphate. It is suitable for formulating industrial oils, gear oils, greases and metal working fluids. It contains different alkyl substituents than HiTEC 511 and is more active at lower temperatures. It is particularly suited for raising the EP and FZG performance of turbine oils without depleting other performance areas such as filtration.

Key Performance Benefits

- Ashless
- Chlorine-free
- Multifunctional - suitable for use in a wide range of lubricants and greases
- Soluble in Group I, II, III and IV base oils
- Compatible with a wide range of additives
- Particularly suitable for bringing antiwear performance to turbine oils.

Recommended Dosage

HiTEC® 511T may be used between 100 and 1000ppm in order to raise the AW/EP performance of industrial blends. Please contact your Afton Chemical representative for specific recommendations.

Typical Characteristics

Appearance	Clear - orange to yellow liquid
Density, lbs/gal.	9.26
Specific Gravity 20/20°C	1.11
Viscosity @ 40°C, cSt	95
Flash Point, °C (PMCC)	95 min.
Phosphorus, % wt.	9
Sulfur, % wt.	19

Handling Information

Max Handling Temp: 60°C
Shelf Life: 42 months @ ambient temperature

