

INDUSTRIAL | HYDRAULIC

HiTEC[®] 523F

Anti-wear Hydraulic Additive Package



Low Zinc Additive, with Denison HF-0 Performance



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



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Low Zinc Additive, with Denison HF-0 Performance

Application

HiTEC® 523F additive is a low zinc antiwear hydraulic package meeting Denison HF-0 requirements. HiTEC® 523F contains a defoamant system which is designed to work in Group I & II base oils.

Key Performance Benefits

HiTEC® 523F additive is a low zinc anti-wear hydraulic package, delivering the following benefits:

- Denison HF-0, HF-1, HF-2 approval based on performance in the T6H20C hybrid pump test
- Meets the requirements of DIN 51524 part II
- FZG A/8.3/90 load stage 10 Pass
- Filterability in the presence of water
- Protection of yellow metals in the presence of water
- Robust oxidation, rust and corrosion protection
- Approved against Cincinnati Machine P-68, P-69 and P-70 specifications
- Excellent wear protection demonstrated by performance in the ISO 20763 (Conestoga) vane pump test

Recommended Dosage

The recommended dosage for HiTEC® 523F additive is 0.6% wt. Please contact your Afton Chemical representative for specific recommendations.

Typical Characteristics

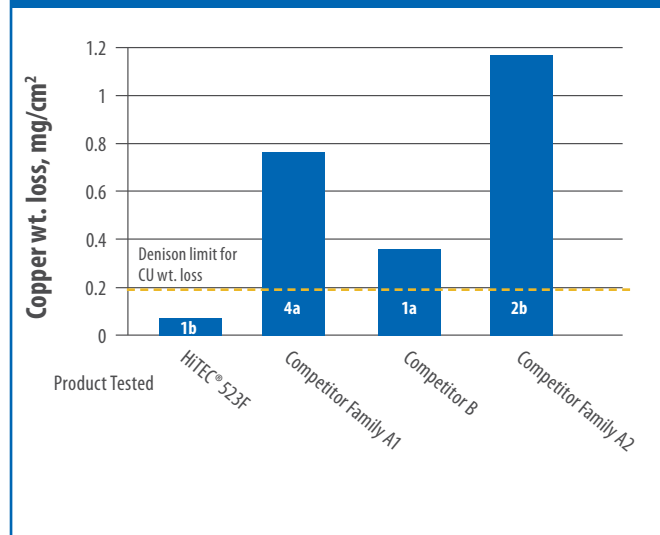
Appearance	Brown oily liquid
Density @ 15°C, g/ml	0.987
Viscosity @ 40°C, cSt	70
Flash Point, °C (PMCC)	100 min.
Zinc, % wt.	3.32
Phosphorus, % wt.	2.61

Handling Information

Max Handling Temp: 75°C

Shelf Life: 24 months @ ambient temperature

HiTEC® 523F Based Oil Versus Several Commercially Available Competitor Products in the ASTM D2619 Hydrolytic Stability Test



Afton Chemical's HiTEC® 523F Antiwear Technology has Top Performance Even in the Presence of 1% Water



DENISON T6H20C Vane Pump Cam Ring