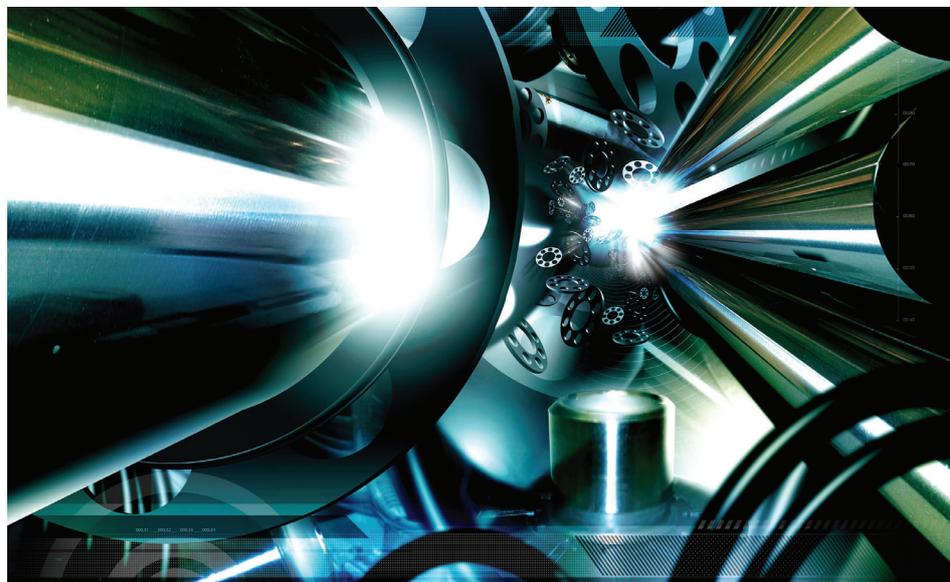


INDUSTRIAL | HYDRAULIC

HiTEC[®] 523

Anti-wear Hydraulic Additive Package



Low Zinc Additive, with Denison HF-0 Performance



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



HiTEC® 523 Anti-wear Hydraulic Additive Package

Low Zinc Additive, with Denison HF-0 Performance

Key Performance Benefits

HiTEC® 523 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, ISO 11158 HM, SAE MS 1004 HM and ASTM D6158 HM.
- 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® 523 additive is 0.6% wt. HiTEC® 523F also available for improved anti-foam performance. Please contact your Afton Chemical representative for specific recommendations.

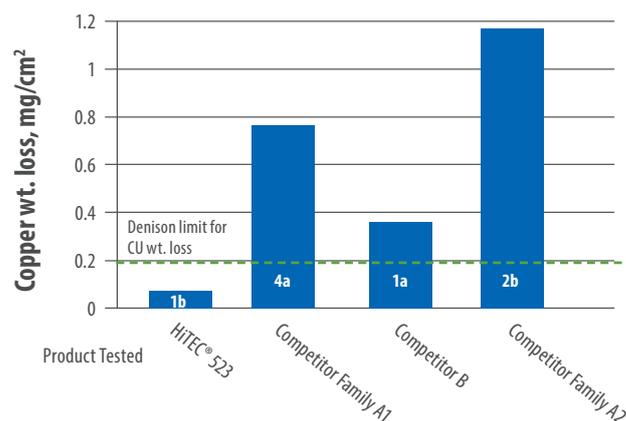
Typical Characteristics

Appearance:	Brown oily liquid
Density at 15°C, g/ml:	0.990
Flash Point, °C (PMCC):	100 min.
Kinematic Viscosity at 40°C, mm ² /s:	66

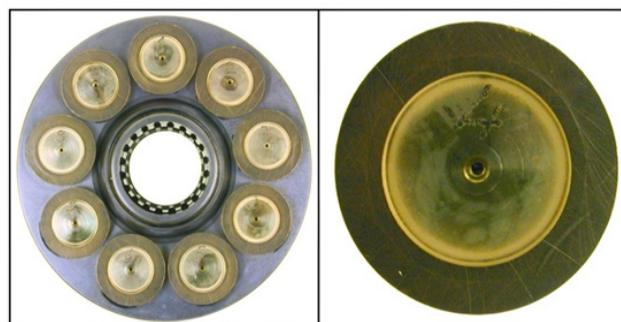
Handling Information

Max Handling Temp: 75°C
Shelf Life: 24 months at ambient temperature

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



HiTEC® 523 Delivers Excellent Wear Protection



Pistons from Parker T6H20C Pump after Wet Phase with Hitec®523 in Group I Basestocks



Cam Ring from Parker T6H20C Pump after Wet Phase with HiTEC®523 in Group I Basestocks