HiTEC® 523F
Anti-wear Hydraulic Additive Package

Low Zinc Additive, with Denison HF-0 Performance
**HiTEC® 523F** Antiwear Hydraulic Additive Package

**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

---

© 2011. Afton Chemical Corporation is a wholly-owned subsidiary of NewMarket Corporation (NYSE:NEU). HiTEC® is a trademark of Afton Chemical Corporation. 07/11.

The information in this bulletin is, to our best knowledge, sure and accurate, but all recommendations or suggestions are made without guarantee since the conditions of use are beyond our control. Afton Chemical Corporation and its affiliates disclaim any liability incurred in connection with the use of these data or suggestions. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.