

INDUSTRIAL | HYDRAULIC

## HiTEC<sup>®</sup> 521

Antiwear Hydraulic Additive Package



Delivering Performance, Value and Reassurance



 **Afton<sup>®</sup>**  
CHEMICAL  
Passion for Solutions<sup>®</sup>



## HiTEC® 521 Antiwear Hydraulic Additive Package

Delivering Performance, Value and Reassurance

### Application

Designed for all types of hydraulic equipment, including modern hydraulic high pressure pumps and systems, HiTEC® 521 meets or exceeds the performance requirements of all major mainstream hydraulic equipment manufacturers and industry organization specifications. In a finished hydraulic fluid, HiTEC® 521 has the capability to provide performance reserve, leading to a problem free life of both equipment and fluid.

### Key Benefits

#### Performance

- Extends drain intervals by prolonging fluid life
- Improves equipment reliability by protecting critical parts
- Performs in demanding conditions where water is present

#### Value

- Helps reduce down time
- Supports enhanced productivity
- Simplifies logistics through scalable performance

#### Reassurance

- Approved by all major pump OEMs, including the latest most challenging Bosch Rexroth requirement
- Recommended by customers around the world
- More than 20 years proven field performance

### Recommended Dosage

The recommended treat rate for HiTEC® 521 is 0.85% by weight. Higher and lower doses may also be used depending on the required performance claims and the base oil. Suitable for use in Group I and II base oils. Suitable for use in multigrade (HVI/HVLP) fluid formulations. A suitable viscosity index improver such as the HiTEC® 5785 family must be used in order to formulate such fluids. Please contact your Afton Chemical representative for specific recommendations.

### Typical Characteristics

|                                |                        |
|--------------------------------|------------------------|
| Appearance                     | Dark brown oily liquid |
| Specific Gravity @ 15.6/15.6°C | 1.031                  |
| Viscosity @ 40°C, cSt          | 92                     |
| Flash Point °C, (PMCC)         | 100 min.               |

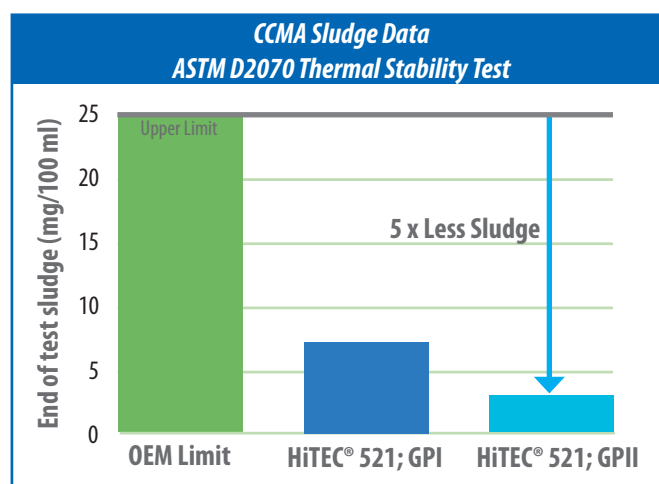
### Handling Information

Max Handling Temp: 75°C  
Shelf Life: 36 months @ ambient temperature

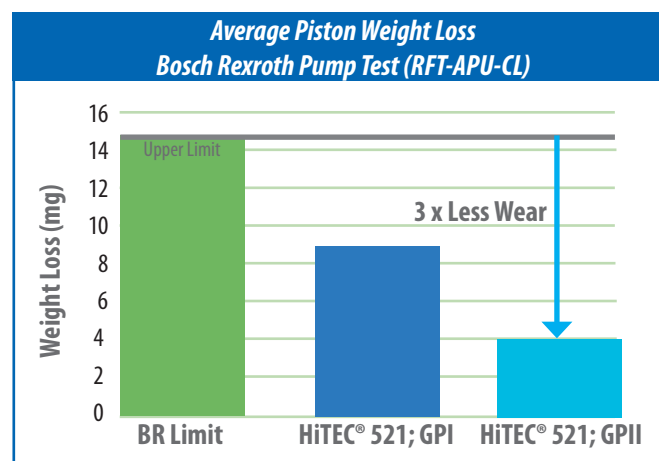
### Performance Profile

HiTEC® 521 is capable of meeting the following specifications in suitable base stocks and viscosity grades:

- Bosch Rexroth RDE 90235
- Parker (formerly Denison) HF-0, HF-1, HF-2 (HM, HV)
- Eaton E-FDGN-TB002-E
- Fives P68, P69, P70 (HM, HV)
- DIN 51524-2 (HM); DIN 51524-3 (HV)
- ISO 11158 (HM, HV)
- GB 11118.1-2011 (L-HL, L-HM, L-HV, L-HS)
- ASTM D6158 (HM, HV)
- SAE MS 1004
- JCMAS P041 HK Hydraulic specification
- GM LS-2
- AIST 126, 127
- SEB 181222



HiTEC® 521 @ 0.85%; ISO 46, Data is average of all data submitted for OEM approval



HiTEC® 521 @ 0.85%; ISO 32, Data is average of all data submitted for Bosch Rexroth approval