

INDUSTRIAL | HYDRAULIC

HiTEC[®] 521

Antiwear Hydraulic Additive Package



Delivering Performance, Value and Reassurance



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



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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.

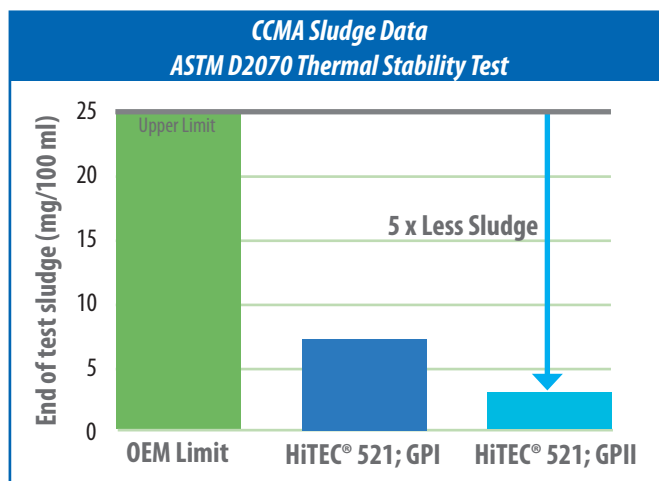
Handling Information

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

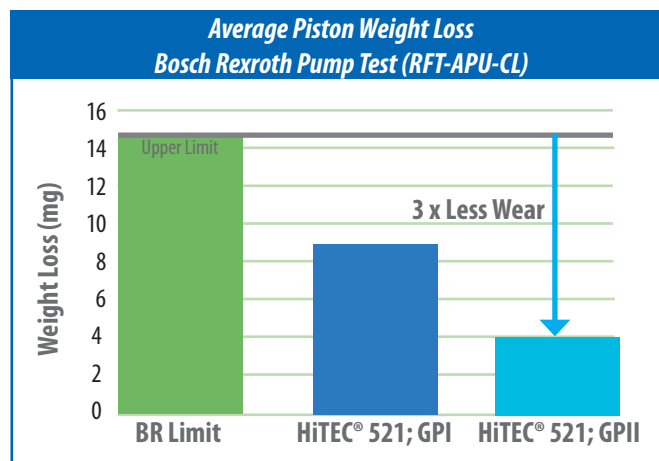
Performance Profile

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