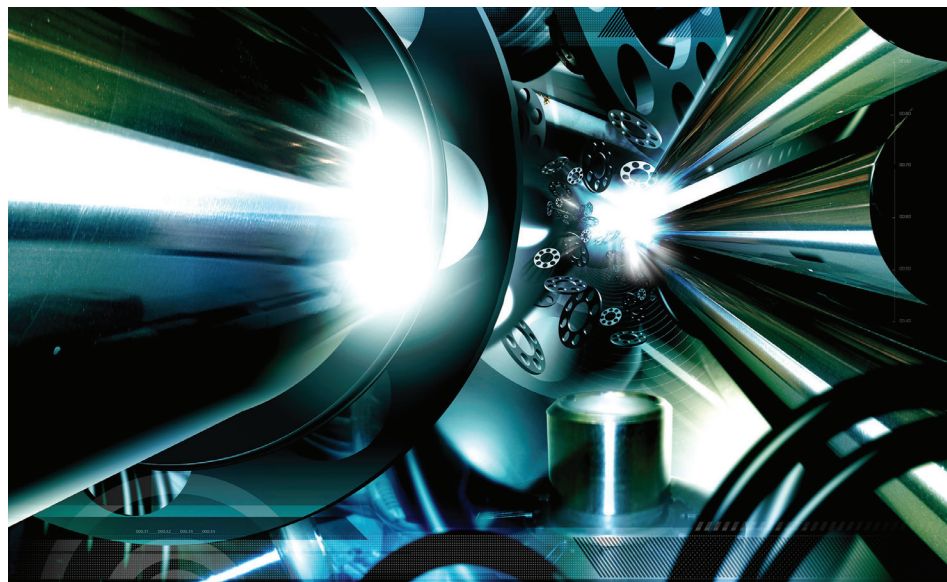


# INDUSTRIAL | HYDRAULIC

## HiTEC® 544

Anti-Wear Hydraulic Additive Package



Mainstream Zinc-free Anti-Wear Hydraulic Additive Package



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



## HiTEC® 544 Anti-Wear Hydraulic Additive Package

Mainstream Zinc-free Anti-Wear Hydraulic Additive Package

### Key Performance Benefits

HiTEC® 544 has been designed to provide superior performance over traditional hydraulic additive systems in severe duty and high-load applications. It increases the life of the hydraulic fluid whilst enabling operators to reduce the environmental impact of their operations.

HiTEC® 544 delivers performance benefits in a number of key areas:

- **Excellent oxidation stability**  
Capability to extend the oil drain interval resulting in reduced disposal costs. Potential to improve efficiency during the length of the oil drain due to decrease in deposits
- **Good sludge and particulate control**  
Improved protection of critical components with tight tolerances, such as servo-valves and pumps
- **Exceptional wear protection**  
Delivering maximised equipment life and reduced maintenance costs
- **Excellent separation from water**  
Water contamination rapidly separated and maintained during service
- **Effective foam control in most base oil combinations**  
Additive package includes antifoam, precludes the need to purchase a separate foam inhibitor

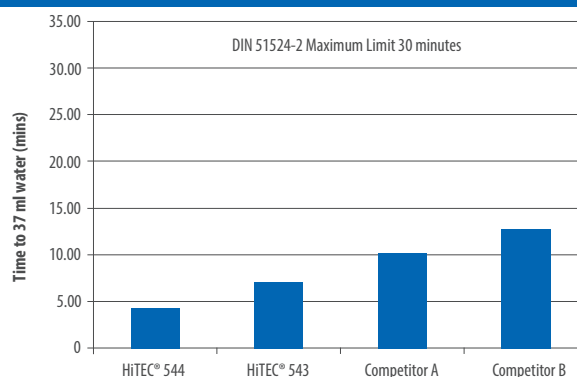
### Recommended Dosage

The standard treat rate for HiTEC® 544 is 0.82 % wt. It has been extensively tested in a range of Group I and II base stocks. HiTEC® 544 has demonstrated compatibility with calcium and zinc-containing hydraulic fluids. A small number of systems may require draining or flushing prior to first use. Please contact your Afton Chemical representative for specific recommendations.

### Typical Characteristics

Appearance:	Dark brown liquid
Specific Gravity at 15.6/15.6°C:	0.983
Flash Point, °C (PMCC):	102 min.
Kinematic Viscosity at 40°C, cSt:	131

### HiTEC® 544 Water Separation D1401 Demulse Test



### Performance Profile

Correctly formulated mono- and multi-grade hydraulic fluids using HiTEC® 544 are capable of meeting the following specifications:

- Parker HF-0, HF-1 and HF-2
- Bosch Rexroth RDE 90235
- Eaton E-FDGN-TB002-E
- Fives P68, P69, P70
- DIN 51524
- ISO 11158
- ASTM D6158
- SAE MS 1004
- GM LS-2
- AIST 127
- Conestoga pump test ISO 20763

### Handling Information

Recommended Handling and Storage Temperature:

Short Term: up to 55°C

Long Term: Ambient

Maximum blending and handling temperature: 80°C