

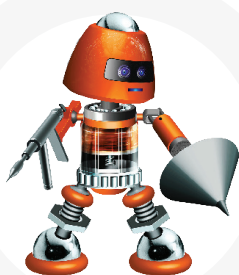
# INDUSTRIAL | GREASE

## HiTEC<sup>®</sup> 553

Multifunctional Grease Additive



Ashless Multifunctional Componentry with Enhanced Performance



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



## HiTEC® 553 Multifunctional Grease Additive

Ashless Multifunctional Componentry with Enhanced Performance

### Application

HiTEC® 553 Multifunctional Grease Additive is an ashless economic performance package that is designed to be used in fully-formulated, multipurpose greases suitable for use at higher temperatures. HiTEC® 553 provides good protection against extreme pressure and wear while also providing oxidation and corrosion resistance.

### Key Performance Benefits

- Extends high temperature bearing life
- Very good protection under extreme pressure and wear conditions
- Provides good corrosion resistance
- Ashless package provides simplicity in blending

### Recommended Dosage

Typical treat rates for HiTEC® 553 range from 2 to 4% wt. in greases depending on application. Please contact your Afton Chemical representative for specific recommendations.

HiTEC® 553 is designed to meet NLGI's GC-LB specification at 2.8% wt. in a suitable lithium complex base grease.

### Typical Characteristics

Appearance	Clear to amber brown liquid
Specific Gravity @ 15.6/15.6°C	1.039
Viscosity @ 40°C, cSt	51
Viscosity @ 100°C, cSt	6.4
Flash Point, °C (PMCC)	76 min.

### Handling Information

Max Handling Temp: 65°C  
 Shelf Life: 24 months @ ambient

### Demonstrated Performance:

HiTEC® 553 at 2.8% wt. in Lithium Complex Base Grease (ISO 220 Group I Base Oil)		
Method	ASTM	Result
4-Ball Wear Scar (1200rpm, 40kg, 75°C, 1h), mm	D2266	0.48
4-Ball EP	Weld point, kgf	315
	LNS, kgf	100
	LWI	55.6
Bearing Corrosion, rating	D1743	PASS
Oxidation Stability Drop @ 100h, psi	D942	3.4
Wheel bearing High Temp Life, h	D3527	120