

DRIVELINE

HiTEC[®] 369

Automotive Gear Oil Additive



For Use in Light-duty and Heavy-duty Axles

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Application

HiTEC® 369 automotive gear oil additive is a premium mono-functional automotive gear oil additive designed to produce lubricants for use in automotive light-duty and heavy-duty axles, and heavy-duty non-synchronized manual transmissions. Lubricants formulated with HiTEC® 369 additive can also be used for top-off service fill in non-limited slip differential axles. HiTEC® 369 can also be used in conjunction with HiTEC® 397 limited slip additive to produce an automotive gear oil with excellent limited slip capability.

HiTEC® 369 gear oil additive with HiTEC® 397 limited slip additive provides:

- Unsurpassed frictional durability
 - Reduces potential for vibration
- Limited Slip necessary for high horsepower, high torque vehicles
 - SUV's, light duty trucks
- 4 wt.% Axcel S + 2 wt.% HiTEC® AB7 = 6 wt.% HiTEC® 369

Key Performance Benefits

- Excellent thermal and oxidation stability
- Exceptional compatibility with commonly used seal materials
- Good EP protection
- Superior copper corrosion protection
- Strong foam suppression
- Superior storage stability
- Excellent handling and pump-ability

Treat Rate & Claims

Product	Treat Rate Wt% (Vol%)	Axle Specs										Manual Trans Specs		
		API GL-5	MAN 342 M-1	MAN 342 M-2	Meritor Q-760 (80W/90)	Meritor Q-76A (85W/140)	Ford WSP-M2C197A (80W/90)	SAE J2260	Scania STO 1.0	Scania STO 1.1G	ZF TE ML-07A & ML-08	API GL-4	API GL-3	API MT-1
HiTEC® 369	6.0% (5.4)*	2	1	3	1	1	1	1	1	1	2			2
HiTEC® 369	8.0% (7.0)**	2	1		1	1		1	1	1	2			2
HiTEC® 369	3.0% (2.8)											2		
HiTEC® 369	2.7% (2.5)												3	

● Approvable ● Meets requirements ● Suitable for use 1 Formal approval 2 Self-certifying 3 Obsolete

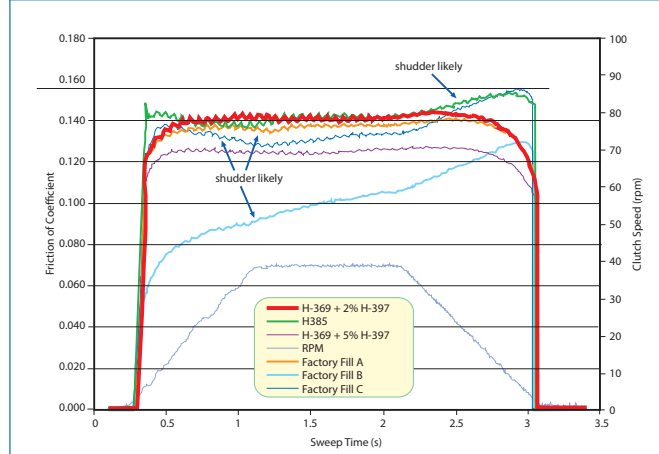
* in mineral
** in synthetic

^ Finished fluid approvable; Please consult Afton CTS for formulations or approval process.
^^ Only in 85W-140 globally, excluding Europe.

HiTEC® 369/ISO 220 Base Oil in Grease Applications

<i>In Lithium 12-OH</i>	<i>Test</i>	<i>1% wt.</i>	
Worked Penetration (60x)	D1403	280	
Copper Corrosion, Rating	D4048	1b	
Four-Ball Wear, mm (1200 RPM, 75C, 40kg, 1hr)	D2266	0.5	
Four-Ball Weld, kfg	D2596	250	
Rust Prevention, Rating	D1743	Pass	
<i>In Lithium Complex</i>	<i>Test</i>	<i>2% wt.</i>	<i>3% wt.</i>
Worked Penetration (60x)	D1403	280	280
Copper Corrosion, Rating	D4048	1b	1b
Four-Ball Wear, mm (1200 RPM, 75C, 40kg, 1hr)	D2266	0.5	0.6
Four-Ball Weld, kfg	D2596	315	400
Rust Prevention, Rating	D1743	Pass	Pass

Limited Slip Performance with HiTEC® 397 Top Treat



Typical Characteristics

Appearance	Clear light amber liquid
Specific Gravity @ 15.6/15.6°C	1.022
Density, lbs/gal.	8.51
Viscosity @ 100°C, cSt	13
Flash Point, °C (PMCC)	85 min.

Handling Information

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