

DRIVELINE

HiTEC[®] 355

Extended-drain Heavy-duty Gear Axle Additive



Designed for Use in Mineral Base Oils

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Application

HiTEC® 355 long drain axle additive is used to formulate fluids meeting the needs of heavy duty axles. HiTEC® 355 technology was field tested in Dana and Meritor front and rear axles under severe service conditions. One hundred trucks were run in this field evaluation for up to 500,000 miles each.

While recommended for heavy duty axle applications, lubricants formulated with HiTEC® 355 are not currently approved against DANA SHAES-256Rev C.

Oils formulated with HiTEC® 355 in appropriate base oil/VI combinations meet the following specifications and approvals:

- Meritor O-76Q
- Mack GO-J
- SAE J 2360 (MIL-PRF-2105E)
- API GL-5 and MT-1

Please contact your Afton Chemical representative for details.

Key Performance Benefits

- Provides protection against rust and corrosion
- Provides for excellent power divider operation
- Highly stable, will not separate, and maintains effectiveness in presence of heat and water
- Designed to deliver outstanding cold temperature performance - low temperature performance equivalent to synthetic oils
- Effectively inhibits oxidation and resists the effects of heat
- Compatible with synthetic and mineral-based gear lubricants
- Resists deposit formation to protect seals
- Provides outstanding anti-foam protection

Treat Rate & Claims

Product	Treat Rate Wt% (Vol%)	Axle Specs										Manual Trans Specs			
		API GL-5	GF-5939C	Wainwright (P-H) 474	Mack GO-J	Meritor O-76Q	Meritor (75W-90)	Meritor (0-0768) (80W-140)	SAE J2360	ZF TE-ML07A & TE-ML08	500,000-mile drain capable	Drain-and-fill or top-off limited slip	API GL-4	API GL-3	API MT-1
HiTEC® 355	11.2% (9.8)	2	●	●	1	1	1	1	●	●	●				2
HiTEC® 355	5.6% (5.3)														2
HiTEC® 355	5.1% (4.8)														3

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

* Finished fluid approvable; Please consult Afton CTS for formulations or approval process.

Typical Characteristics

Appearance	Clear dark amber liquid
Specific Gravity @ 15.6/15.6°C	1.004
Density, lbs/gal.	8.36
Viscosity @ 100°C, cSt.	23
Flash Point, °C (PMCC)	85 min.

Handling Information

Max Handling Temp: 65°C
Shelf Life: 12 months @ ambient temperature