

DRIVELINE

HiTEC[®] 349

Manual Transmission Fluid Additive Package



The Only Commercial Vehicle SF MTF Designed to be
Compatible with all Synchroniser Materials. With ZF, MAN and
Scania Approvals

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

HiTEC® 349 Manual Transmission Fluid Additive Package

The Only Commercial Vehicle SF MTF Designed to be Compatible with all Synchroniser Materials.
With ZF, MAN and Scania Approvals



Key Performance Benefits

HiTEC® 349 additive is the only commercial vehicle, Service Fill MTF designed to be compatible with all synchroniser materials. HiTEC® 349 additive provides:

- Widest synchroniser compatibility
- Better performance claims:
- Oxidation, pitting and yellow metal protection
- Superior ZF (02B) and MAN (341 E2) claims
- Long drain intervals (160,000 km)
- Lowest approved treat-rate *(3.6% wt.)

Axcel® Family Benefits

The new Axcel® family of core and additive boosters offers:

- Top treats to a range of applications at competitive treat-rates
- Reduced inventory
- Improved plant utilisation
- Flexibility to meet peak demand
- Security and confidence from a product in a family of gear additives with an extensive history of trouble-free performance worldwide

HiTEC® 349 ensures superior cleanliness, whatever the temperature

110°C (192hrs) 120°C (192hrs) 130°C (192hrs) 150°C (192hrs) 160°C (96hrs)

Axcel®
A Family of Solutions

2.0% wt. GL-4
4.0% wt. GL-5, MAN 342 M-2, NATO 0-226, ZF 05A, 7A, 8, 12E, 16B-D, 17B, 19B, 21A
5.0% wt. Avtovaz

2.2% wt. GL-4
4.4% wt. *GL-5, MAN 342 M-2, ZF 05A, 7A, 12E, 16B-D, 17B, 19B, 21A
1.5% wt. Industrial
* 4.6% wt. If Axcel® S (4.0% wt.) plus AB4 Booster (0.6% wt.)

5.5% wt. * MAN 341 E-2, Z-2, ZF 02B, 17A
* 3.6% wt. If Axcel® S (2.0% wt.) plus AB4 Booster (1.6% wt.)

6.0% wt. API MT-1, Mack GO-J, MAN 342 M-2, Meritor 0-76, NATO 0-226, SAE J2360, Scania STO 1:0

HiTEC® 349 ensures the seals are protected against deposit build-up

HiTEC® 349 Competitor Fluid

Typical Characteristics

Appearance:	Light Brown/Amber Oily Liquid
Density at 15°C, g/ml:	0.974
Flash Point (PMCC), °C:	76
Kinematic viscosity at 40°C, mm ² /s:	109

Handling Information

Max Handling Temp: 45°C
Shelf Life: 24 months

Approvals

Product	Rear Axle Specifications		MT Specifications						
	ZF TE-ML 08	API GL-4	MAN 341 E2	MAN 341 Z2	ZF TE-ML 02B	ZF TE-ML 17A	Scania STO 2:0G	MAN 341 GA2	
HiTEC® 349	2	2	3	1	1	1	1	1*	1*

Product Status Specification Status

- Approved 1 Formal Approval
- Meets Requirement 2 Self Certifying
- 3 Obsolete

* Finished Fluid Approval: Formulation Specific

Recommended Dosage

Automotive	
*3.6% wt. (Axcel® S 2% wt., AB4 1.6%wt.) Or 5.5% wt. (HiTEC® 349)	ZF TE-ML 02B, 17A, MAN 341 Z2 (160,000 km drain), 341 E2,
6.6%wt. (HiTEC® 349)	Scania STO 2:0G and MAN 341 GA2

*Treat-rates may vary depending on base stock.