

DRIVELINE

Axcel[®] S

Automotive Gear Oil Additive Package



Standard Tier, for Axles and Transmissions, with ZF and MAN Approvals

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

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Key Performance Benefits

Axcel[®] S additive is an automotive only gear oil additive that offers strong performance at a highly competitive treat-rate. Axcel[®] S additive provides:

- Low treat-rate for GL-5, ZF and MAN performance
- MAN and ZF approval - MAN 342 M2 (160,000km), ZF TE-ML 12E (bus axles)
- Demonstrates excellent cleanliness due to its strong oxidative performance

Typical Characteristics

Appearance:	Clear Yellow Liquid
Density at 15°C, g/ml:	1.098
Flash Point (PMCC), °C:	92
Kinematic viscosity at 100°C, mm ² /s:	8.4 cSt

Handling Information

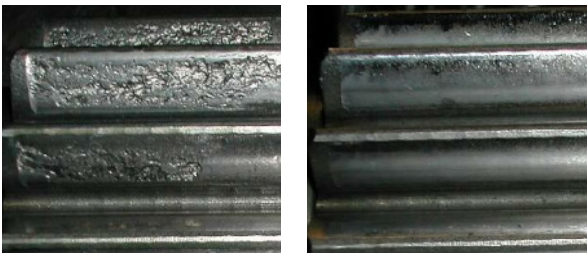
Max Handling Temp: 65°C
 Shelf Life: 24 months at 25°C
 6 months at 40°C

Recommended Dosage

Automotive	
4.0% wt.	API GL-5 (eqv. MIL-L-2105D), MAN 342 M2 (160,000 km drain), ZF TE-ML 05A, 7A, 08, 12E, 16B, C & D, 17B, 19B, 21A, NATO O-226
2.0% wt.	API GL-4

Treat-rates may vary depending on base stock.

Axcel[®] S provides superior protection against pitting and wear in ZF axle load test



Competitor

Axcel[®] S

Approvals

Product	Rear Axle Specifications	MT Specifications
Axcel [®] S	API GL-5 MAN 342 M1 MAN 342 M2 ZF TE-ML 05A ZF TE-ML 07A ZF TE-ML 08 ZF TE-ML 12E ZF TE-ML 16B-D ZF TE-ML 17B ZF TE-ML 19B Volvo STD 1273, 1	API GL-4

Product Status

- Approved
- Meets Requirement
- Suitable for Use

Specification Status

- 1 Formal Approval
- 2 Self Certifying
- 3 Obsolete

Notes

- * Finished Fluid