



Research & Development

# PRODUCT DATA SHEET

## AXCL TRANSGEAR OIL LS 90

### PRODUCT DESCRIPTION

AXCL TRANSGEAR oil is a mineral oil-based gear oil which is suitable for use in limited slip differentials in cars and commercial vehicles where API GL-5 oils with specific limited slip friction performance is required; it can also be used in conventional differentials. It is approved by ZF for use in their multi-disc wet brakes and self-locking differentials used in a range of commercial vehicle applications including axles in off-road and agricultural equipment.

### APPLICATION

- Automotive on-road axle and transmission applications where operating conditions are severe or where equipment must operate in extremely hot or cold climates
- Transmissions, axles and geared components in off-road construction, mining and agricultural equipment where very hot or very cold conditions are encountered
- Extended drain gear oil applications in on-road and off-road heavy-duty equipment
- Industrial gear applications where automotive EP gear lubricants are recommended

### PERFORMANCE LEVEL

API GL-5 -ZF TE ML07A&TE ML08

### BENEFITS & ADVANTAGES

- *Optimized and stable friction characteristics for effective operation of limited slip differentials throughout the drain interval.*
- *Very good wear protection, even under severe conditions, prolongs component life.*
- *Specifically formulated to meet friction requirements of ZF wet brakes and locking differentials.*

### SPECIFICATION & TECHNICAL PARAMETER

S#	Test	METHOD	RESULT
1.	<b>Test</b>	SAE	90
2.	Viscosity Grade	Visual	Bright & Clear
3.	Appearance	ASTM D 445	183.2
4.	Kin. Viscosity @ 40 °C, cSt	ASTM D 445	17.0
5.	Kin. Viscosity @ 100 °C, cSt	ASTM D 2270	99
6.	Viscosity Index	ASTM D 1298	0.89
7.	Density @ 15 °C, g/cc	ASTM D 892	0/0/0
8.	Foam Sequence I, II, III, ml/ml	ASTM D 92	≥250
9.	Flash Point, °C	ASTM D 97	≤-21
10.	Pour Point, °C	SAE	90



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\*Technical data provided here is for reference only. Minor variations in product typical test data are to be expected.

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