



# TECHNICAL DATA SHEET

## GEARAXL S 75W-140

An ultra high performance, fully-synthetic, extended drain driveline lubricant.

GEARAXL S 75W-140 offers the unique characteristics of synchromesh performance and also exceeds the API GL-5 axle quality level which allows use in both axle and transmission applications.

### APPLICATIONS

- Automotive transmissions, axles and transaxles
- Off-Highway and Truck & Bus heavily loaded axle drives, synchronised and non-synchronised transmissions

### FEATURES

- Excellent wear protection even in the most severe environments allowing for prolonged component life and extended drain capability
- Smoother transmission operation provided by outstanding low temperature fluidity resulting in improved gear changes from cold (compared to SAE 80W & 90 grades)
- Compatible with conventional mineral and synthetic based gear lubricants and with seal materials used in gear applications
- 'Extended oil drain capability
- 'Universal' driveline lubricants for use in the vast majority of gear applications
- Millions of miles of proven real world performance

### PERFORMANCE SPECIFICATIONS, APPROVALS & RECOMMENDATIONS:

API	GL-4, GL-5, MT-1
US MILITARY	MIL-PRF-2105E
SAE	J2360
DAF	API GL-5 / MIL-PRF-2105E
SCANIA	STO 1:0
IVECO	MIL-PRF-2105E
MACK	GO-J
ZF	05A / 05B / 07A / 08 / 12B / 16F / 19C

### TYPICAL PHYSICAL CHARACTERISTICS

Characteristic	Method	UoM	Typical
SAE Viscosity	J306	-	75W-140
Density @ 15°C	ASTM D4052	g/cm <sup>3</sup>	0.8728
Kinematic Viscosity @ 40°C	ASTM D445	mm <sup>2</sup> /s	225.0
Kinematic Viscosity @ 100°C	ASTM D445	mm <sup>2</sup> /s	28.0
Viscosity Index	ASTM D2270	-	161

Details continue on next page.



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## GEARAXL S 75W-140

Brookfield Viscosity @ -40°C	ASTM D 2983	mPa.s	140,000
Flash Point (COC)	ASTM D92	°C	206
Pour Point	ASTM D97	°C	-45
Foaming Tendency:			
Seq. I/II/III (24°C/93.5°C/24°C)	ASTM D892	mL	0-0/10-0/0-0
Appearance	ASTM D4176-1	-	Clear to Slightly Hazy & Bright
Colour	Visual	-	Amber
Product Code	-	-	06200

This data sheet and the information it contains is believed to be accurate as of the date of creation. Please email [technical@rockoil.co.uk](mailto:technical@rockoil.co.uk) or telephone +44 (0) 1925 636191 if you require any further information.