



# TECHNICAL DATA SHEET

## GRO Racing Gear Oil

GRO is a high performance synthetic, advanced technology formulation, motorcycle gearbox oil designed for use where 10W-40, 15W-40 or 75W-90 viscosity is required.

GRO is an ideal choice for modern compact high power, high load multi speed gearbox applications.

### FEATURES

- Designed to reduce friction and protect over a wide temperature range,
- Delivers maximum anti wear protection
- Excellent thermal stability
- Superior resistance to oxidation
- Passes crucial clutch friction test required to meet the JASO MA2 specification, allowing safe, predictable use in wet clutch applications

### PERFORMANCE SPECIFICATIONS, APPROVALS & RECOMMENDATIONS:

API	GL-4
JASO	MA2/MA

### TYPICAL PHYSICAL CHARACTERISTICS

Characteristic	Method	UoM	Typical
Density @ 15°C	ASTM D4052	g/cm <sup>3</sup>	0.8801
Kinematic Viscosity @ 40°C	ASTM D445	mm <sup>2</sup> /s	99.20
Kinematic Viscosity @ 100°C	ASTM D445	mm <sup>2</sup> /s	13.90
Viscosity Index	ASTM D2270	-	142
CCS Viscosity (@ 20°C)	ASTM D5293	mPa.s	5500
HT/HS Viscosity @ 150°C	ASTM D5481	mPa.s	4.1
Total Base Number (TBN)	ASTM D2896	mgKOH/g	8.0
Flash Point (COC)	ASTM D92	°C	245
Pour Point	ASTM D97	°C	-36°C
NOACK Volatility @ 250°C	ASTM D5800B	% mass	8.9
KO Shear Stability (30 cycles):			
After Shear Viscosity @100°C	ASTM D6278	mm <sup>2</sup> /s	13.10
Shear Stability Index (SSI)	ASTM D6278	%	5.8
Foaming Tendency:			
Seq. I/II/III (24°C/93.5°C/24°C)	ASTM D892	mL	0-0/0-0/0-0
Appearance	ASTM D4176-1	-	Clear & Bright
Colour	Visual	-	Green
Product Code	-	-	06190

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.