



TECHNICAL DATA SHEET

GUARDIAN 20W-50

Guardian 20W-50 is premium grade semi-synthetic 4 stroke engine oil that meet the exacting demands of modern high performance motorcycle engines.

FEATURES

- Advanced additive, high detergent formulation ensures maximum engine component protection and superior resistance to deposits and corrosion, resulting in extended engine life and optimum performance under the most arduous of conditions.
- Rapid cold start circulation, providing maximum protection during initial start up.
- Passes crucial clutch friction test required to meet the JASO MA specification, allowing safe, predictable use in wet clutch applications.

PERFORMANCE SPECIFICATIONS, APPROVALS & RECOMMENDATIONS:

API	SL
ACEA	A3/B4
MB	229.1

TYPICAL PHYSICAL CHARACTERISTICS

Characteristic	Method	UoM	Typical
SAE Viscosity	J300	-	20W-50
Density @ 15°C	ASTM D4052	g/cm ³	0.8729
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	191.0
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	21.7
Viscosity Index	ASTM D2270	-	136
CCS Viscosity (@-15°C)	ASTM D5293	mPa.s	7200
Flash Point (COC)	ASTM D92	°C	296
Pour Point	ASTM D97	°C	-42°C
NOACK Volatility @ 250°C	ASTM D5800B	% mass	5.8
Sulphated Ash	ASTM D874	% mass	1.1
Phosphorus Content	ASTM D6443	% mass	0.11
Sulphur Content	ASTM D6443	% mass	0.29
Appearance	ASTM D4176-1	-	Clear & Bright
Colour	Visual	-	Amber
Product Code	-	-	03040

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 or telephone +44 (0) 1925 636191 if you require any further information.