



TECHNICAL DATA SHEET

SYNTHESIS ECO 0W-20

A high performance, fully synthetic, fuel economy petrol engine oil. Suitable for use in all passenger car and light van petrol engines where performance and viscosity grades are appropriate.

FEATURES

- Suitable for all driving styles from stop/start city traffic to high speed motorway cruising
- Outstanding contribution to fuel economy and emissions reduction
- Enhanced low temperature capabilities for outstanding cold weather starting
- Excellent protection in the most stressful of modern engines
- Outstanding engine cleanliness
- Exceeds the modern demands of OEMs for fuel economy, engine and hardware protection, deposit control and emissions requirements.
- Significant performance 'reserve' over quoted specifications to effectively combat extreme operating conditions

PERFORMANCE SPECIFICATIONS, APPROVALS & RECOMMENDATIONS:

API	SP/SP-RC
ILSAC	GF-6

Details continue on next page.



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TYPICAL PHYSICAL CHARACTERISTICS

Characteristic	Method	UoM	Typical
SAE Viscosity	J300	-	0W-20
Density @ 15°C	ASTM D4052	g/cm ³	0.8450
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	45.70
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	8.4
Viscosity Index	ASTM D2270	-	162
CCS Viscosity (@ 35°C)	ASTM D5293	mPa.s	6000
HT/HS Viscosity @ 150°C	ASTM D5481	mPa.s	2.6
Total Base Number (TBN)	ASTM D2896	mgKOH/g	8.4
Flash Point (COC)	ASTM D92	°C	215
Pour Point	ASTM D97	°C	-45°C
NOACK Volatility @ 250°C	ASTM D5800B	% mass	14.0
KO Shear Stability (30 cycles):			
After Shear Viscosity @100°C	ASTM D6278	mm ² /s	7.20
Shear Stability Index (SSI)	ASTM D6278	%	8.7
Foaming Tendency:			
Seq. I/II/III (24°C/93.5°C/24°C)	ASTM D892	mL	0-0/0-0/0-0
Sulphated Ash	ASTM D874	% mass	1.0
Phosphorus Content	ASTM D6443	% mass	0.08
Sulphur Content	ASTM D6443	% mass	0.29
Appearance	ASTM D4176-1	-	Clear & Bright
Colour	Visual	-	Amber
Product Code	-	-	00700

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.