



# TECHNICAL DATA SHEET

## SYNTHESIS XTRA-LIFE 5W-30

A long life, ultra-high performance, fully synthetic engine oil designed to provide exceptional cleaning power, wear protection and performance. Suitable for all passenger cars and light van petrol and diesel-powered vehicles where performance and viscosity grades are appropriate.

It is primarily intended for use in VAG Group (Audi, Bentley, Bugatti, Lamborghini, Porsche, Seat, Skoda, VW) vehicles where the quoted performance specifications are required.

### FEATURES

- Suitable for all driving styles from stop/start city traffic to high-speed motorway cruising
- For use with VAG long-life variable service interval regime
- Reduced deposits and sludge build-up to enable long and clean engine life
- Outstanding thermal and oxidation stability allowing extended drain interval protection
- Excellent after-treatment device compatibility, specifically DPF (Diesel Particulate Filter), GPF (Gasoline Particulate Filter) and TWC (Three Way Catalyst)
- Enhanced low-temperature capabilities for quick cold weather starting and ultra-fast protection
- Significant performance 'reserve' over quoted specifications to effectively combat extreme operating conditions

### PERFORMANCE SPECIFICATION, APPROVALS & RECOMMENDATIONS:

ACEA	C3
BMW	LL-04
PORSCHE	C30
MERCEDES BENZ	MB 229.31, 229.51
VW	504.00 / 507.00

Suitable for use where the following specifications are required:

VW 502.00 / 503.00 / 503.01 / 505.01 / 505.00 / 506.00 / 506.01 (Except I5 2.5L & V10 5.0L)

### TYPICAL PHYSICAL CHARACTERISTICS

Characteristic	Method	UoM	Typical
SAE Viscosity	J300	-	5W-30
Density @ 15°C	ASTM D4052	g/cm <sup>3</sup>	0.8522
Kinematic Viscosity @ 40°C	ASTM D445	mm <sup>2</sup> /s	70.90
Kinematic Viscosity @ 100°C	ASTM D445	mm <sup>2</sup> /s	12.20
Viscosity Index	ASTM D2270	-	171
CCS Viscosity (@ 30°C)	ASTM D5293	mPa.s	6000
HT/HS Viscosity @ 150°C	ASTM D5481	mPa.s	3.6
Total Base Number (TBN)	ASTM D2896	mgKOH/g	7.0
Flash Point (COC)	ASTM D92	°C	230

Details continue on next page.



# TECHNICAL DATA SHEET

## SYNTHESIS XTRA-LIFE 5W-30

Pour Point	ASTM D97	°C	-39°C
NOACK Volatility @ 250°C	ASTM D5800B	% mass	9.8
KO Shear Stability (30 cycles):			
After Shear Viscosity @100°C	ASTM D6278	mm <sup>2</sup> /s	11.75
Shear Stability Index (SSI)	ASTM D6278	%	3.7
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	0.7
Phosphorus Content	ASTM D6443	% mass	0.08
Sulphur Content	ASTM D6443	% mass	0.23
Appearance	ASTM D4176-1	-	Clear & Bright
Colour	Visual	-	Amber
Product Code	-	-	01800

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.