



# High Performance Lubricants



## Technical Data

### Synthesis 4 Sport Range

The Synthesis 4 Sport Range consists of high performance, reduced ash engine oils based on fully synthetic formulations. They are suitable for use in all petrol and diesel powered vehicles where performance and viscosity grades are appropriate.

### Features

Suitable for all driving styles from stop/start city traffic to high speed motorway cruising  
Advanced formulation gives good dispersion of diesel soot and keeps engines cleaner  
Synthetic based formulation provides excellent high temperature performance and protection  
Low viscosity gives fast oil flow on start up even when cold to help protect all parts of the engine against wear  
Excellent after-treatment device compatibility, specifically DPF's (Diesel Particulate Filters) and TWC's (Three Way Catalysts)  
Low viscosity aids fuel economy and emissions reduction, particularly applicable to 5W-30

### Performance Specifications / Approvals

API SN/CF	MB 229.31 & MB 229.51
ACEA C2 (engine test requirements)	VW 502.00 / 505.00 / 505.01 (PD)
ACEA C3	PORSCHE A40 (5W-40 only)
BMW LL 04	RENAULT RN 0700 / RN 0710
FORD M2C 917-A (FORD GALAXY 1.9 TDI)	FIAT 9.55535-S2 (5W-40 only)
GM DEXOS 2® (including GM-LL-A-025 & GM-LL-B-025)	

### Typical Physical Characteristics

Viscosity Grade	SAE J300	5W-30	5W-40
Density @ 15C	ASTM D4052	0.848 g/cm <sup>3</sup>	0.854 g/cm <sup>3</sup>
Viscosity @ 40C	ASTM D445	70.3 cSt	84.0 cSt
Viscosity @ 100C	ASTM D445	12.0 cSt	14.7 cSt
Viscosity Index	ASTM D2270	167	183
CCS @-30°C	ASTM D5293	6200cP	6400cP
HTHS Viscosity @ 150°C	ASTM D5481	3.6cP	3.9cP
NOACK Volatility	ASTM D5800	9% Loss	9% Loss
TBN (mgKOH/g)	ASTM D2896	7.8	7.8
Sulphated Ash	ASTM D874	0.78%	0.78%
Sulphur Content	ASTM D4927	0.17%	0.17%
Phosphorus Content	ASTM D4927	0.08%	0.08%
Appearance	VISUAL	Amber	Amber
Product Code	N/A	03212	00430

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