

# APEX SPARK 5W-30 C4 SN ACEA C4 SERIES

Advanced Technology Fully Synthetic Engine Oil



## Product Data Sheet

### Product Description

APEX SPARK 5W-30 C4 SN ACEA C4 series is a range of advanced technology fully synthetic engine oils blended in severely refined basestocks fortified with latest additive technology system, specifically to provide optimum engine durability with improved anti-wear properties, maximum engine cleanliness & extended oil drain intervals due to greater retention of detergency and dispersion properties, reduced fuel consumption and improved overall engine performance. It helps prolong the life and maintain the efficiency of Car Emission Reduction Systems in both diesel and gasoline powered automobile engines, with recent multi-valve engines equipped with turbochargers and direct injection fuel systems. Low-SAPS product technology complying with latest 'Euro V' emission control norms, effectively reduces particulate build up in Diesel Particulate Filters (DPF's) and avoids poisoning of Gasoline Catalytic Converters (CAT's) ensuring greater compatibility with exhaust post-treatment systems for longer lifetime.

### Features & Benefits

- Extended oil drain intervals due to fully synthetic baseoils and enhanced TBN retention technology.
- Reduced oil consumption, due to stringent low volatility requirements of ACEA C4-16 & other OEMs.
- Excellent fuel economy & easy cold starts due to extreme fluidity at low temperatures.
- Optimization of the anti-pollution systems and enhancing its life & efficiency, especially in DPFs & CATs.
- Improved additive technology, reduces sludge formation which improves engine cleanliness.
- Excellent oxidation & thermal stability, keeps oil in grade, lower acid formation & extend drain intervals.
- Outstanding engine protection, helps maintain longer engine life and compatibility with engine seals.

### Specifications

**APEX SPARK 5W-30 C4 SN ACEA C4 meets or exceeds following International and Builder specifications:**

- API SN, CF • ACEA C4-16 • ACEA C1-16 • Renault RN 0720 • MB 226.51

### Application

- Both Gasoline and Diesel Passenger cars, SUVs, light trucks and vans, equipped with DPF, SCR, CAT, SOC.
- Suitable for all types of modern vehicles, including high-performance turbo-charged, supercharged gasoline multi-valve fuel injected engines, also suitable for LSPI performance capability.
- Suitable for Euro V standards in most severe conditions of use like latest downsized engines with latest technology of stop & start functionality for fuel savings, sports driving, city and motorway driving.

### Typical Characteristics

APEX SPARK C4 SN	Test Method	Units	5W-30	5W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.845	0.850
Viscosity @ 100 °C	ASTM D 445	cSt	12.0	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	69.55	88.6
Viscosity Index	ASTM D 2270	-	171	168
Pour Point	ASTM D 97	°C	-42	-42
Flash Point (COC)	ASTM D 92	°C	230	235
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0
Phosphorous	ASTM D 4951	% wt	0.050	0.050
Sulphated Ash	ASTM D 874	% wt	<0.50	<0.50
CCS Viscosity	ASTM D 5293	cP	6250 @ -30 °C	6450 @ -30 °C

*The above figures are typical of blends with normal production tolerance and do not constitute a specification.*