

# FULL SYNTHETIC 5W-40 C3 DPF API SN/CF, ACEA C3 PASSENGER CAR PETROL & DIESEL OIL

## **Description**

**Pennarol 5W-40 C3 is a full-synthetic** oil that delivers advanced technology for modern engines. A chemically balanced formula offers maximum engine cleaning properties using special cleansing agents that actively help to suspend harmful dirt and deposits in highly stressed modern engines. It provides ultimate engine and exhaust protection including diesel particulate filters for performance motoring. The unique additive chemistry is approved by leading car manufacturers such as **Mercedes Benz, VW, Porsche** and **BMW** in support of increased oil change intervals and exhaust after treatment device protection. (**DPF'S**)

### Performance Features & Benefits

- Very effectively removes sludge from dirty engines than a normal mineral oil.
- Low viscosity, rapid oil flow and low friction
- Low SAPS oil for emission system protection provides long life for exhaust after treatment devices.
- Active cleansing technology delivers long-term oxidation stability
- Improved fuel efficiency and easier cold starting
- High shear stability maintains viscosity and stays in grade throughout the oil drain period.
- The specially selected synthetic base oil reduces oil volatility and therefore oil consumption.
- It minimises vibration and engine noise thus delivering a smoother, quieter drive.

### **Applications**

- Suitable for direct fuel-injected petrol engines fitted with emissions control technology and catalytic converters.
- Turbo-charged and intercooled direct injection high performance diesel engines fitted with exhaust gas recirculation and particulate filters.









# FULL SYNTHETIC SAE 5W-40 C3 API SN/CF, ACEA C3 PASSENGER CAR PETROL & DIESEL OIL

# **Specifications**

- Society of Automotive Engineers (SAE) 5W/40
- American Petroleum (API) SN/CF
- Association of European Automotive Manufacturers (ACEA) C2, C3.
- Japan Automobile Standards Organisation (JASO)

#### Manufacturer Specifications

- ACEA: C3-16
- MB 229.31, 229.51, 229.52
- VW 502.00,505.00, 505.01
- Renault B71229
- BMW Long-life 04
- Fiat 9.5535G2
- PSA B71 2296
- FORD WSS-M2C913-A/B/C
- GM Dexos 2 \*Check owners' manual before use.

TEST DESCRIPTION	ASTM	TEST RESULT
Description	Visual	Clear/Amber
SAE Viscosity Grade		5W-40
Viscosity, cSt @ 40°C, mm <sup>2</sup> /s	D-445	84.27
Viscosity, cSt @ 100°C, mm <sup>2</sup> /s	D-445	14.25
Viscosity Index	D-2270	169
Density @ 15°C, kg/L	D-4052	0.883
Total Base Number, (TBN), mg KOH/g	D-2896	6.89
HTHS @ 150°C, cPa	D-4683	3.99
Cold Crank Viscosity, mPa.s @ -30°C	D-5293	6,154
Pour Point, °C	D-5950	-35
Flash Point (COC), °C	D-92	234
NOACK Volatility, Evaporative Loss % @ 250°C	D-5800	11.10

Note: Pennarol Full Synthetic SAE 5W-40 C3 engine oil may be unsuitable for use in some engines, always consult owners' manual if in doubt

### <u>Storage</u>

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C

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