

FULL SYNTHETIC SAE 5W-30 PRO-MV SN PLUS C3

API SN/CF, ACEA C3, ILSAC GF-5 PASSENGER CAR PETROL & DIESEL OIL

Pennarol Full Synthetic 5W-30 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

- 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 (**DPF's**) and catalytic converters (**CAT'S**)
- **Pennarol 5W-30 C3** achieves engine oil requirements for vehicles requiring 'MID SAPS' ACEA C3, including **API SN PLUS, ILSAC GF-5** and previous ILSAC specifications. ACEA C3 specification is suitable for use in Asian OEM from Toyota, Honda, Hyundai/Kia, Nissan and Mazda applications where required



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Specifications

- Society of Automotive Engineers (SAE) 5W/30
- American Petroleum (API) SN/CF
- Association of European Automotive Manufacturers (ACEA) C2, C3
- Japan Automobile Standards Organisation (JASO)

Manufacturer Specifications

- ACEA: C3
- API SN PLUS, ILSAC GF-5
- MB 229.31, 229.51, 229.52
- VW 502.00, 505.00, 505.01
- Renault B71229
- BMW Long-life 04
- Porsche: C30

Backward compatibility:

- Chrysler: MS 6395
- Fiat 9.5535-M2/N2
- Peugeot- Citroen PSA B71 2296
- FORD WSS-M2C 917A
- GM Dexos 2, supersedes GM Dexos 1

*Check owners' manual before use.

TEST DESCRIPTION	ASTM	TEST RESULT
Description	Visual	Clear/Amber
SAE Viscosity Grade		5W-30
Viscosity, cSt @ 40°C, mm ² /s	D-445	69.77
Viscosity, cSt @ 100°C, mm ² /s	D-445	14.92
Viscosity Index	D-2270	166
Density @ 15°C, kg/L	D-4052	0.873
Total Base Number, (TBN), mg KOH/g	D-2896	6.8
HTHS @ 150°C, cPa	D-4683	3.53
Cold Crank Viscosity, mPa.s @ -30°C	D-5293	6,489
Pour Point, °C	D-5950	-39
Flash Point (COC), °C	D-92	233
NOACK Volatility, Evaporative Loss % @ 250°C	D-5800	12.84%

Note: Pennarol Full Synthetic SAE 5W-30 C3 engine oil may be unsuitable for use in some engines, always consult owners' manual if in doubt

Storage

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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