



PENRITE

TECHNICAL BULLETIN

Viscosity, Specification and Application

Issue: February 2015

Many people are confused when looking for an engine oil for their vehicle. There is **Viscosity, API, ACEA, ILSAC, JASO, OEM Approved** etc.

When looking at engine oils it is important to separate Viscosity, Specifications and Applications. Although several oils might have the same viscosity, that does not mean that they are suitable for the same applications. When selecting an engine oil, the right application needs to be met by the right specifications. A good example of this is with multiple types of low viscosity 5W-30 engine oils.

Let's look at some Penrite examples –

Product	Viscosity	Oil Type	API	ACEA / JASO / OTHER	OEM
Everyday FS 5W30	5W-30	Synthetic	SL/CF	A3/B4 JASO MA2	Petrol & Diesel
Vantage Semi 5W-30	5W-30	Semi Synthetic	SN ILSAC GF-5	-	Petrol Only
Everyday 5W-30	5W-30	Premium Mineral	SN ILSAC GF-5	-	Petrol Only / Rotary Safe
Enviro+ 5W-30	5W-30	Synthetic	-	ACEA C3	VW 504/507 Petrol / Diesel (DPF)
Enviro+ C4	5W-30	Synthetic	SN	ACEA C4	Petrol / Diesel (DPF)
Enviro+ DL-1	5W-30	Synthetic	SN	ACEA C2 JASO DL-1	Petrol / Diesel (DPF)
Enviro+ GF-5	5W-30	Synthetic	SN ILSAC GF-5	-	Petrol Only, GM DEXOS 1
RACING 5	5W-30	Synthetic 100% PAO & Ester	SL/CF	ACEA A1/B1	Petrol & Diesel
Pro 5 5W-30	5W-30	Synthetic	SN	ACEA C3	Petrol & Diesel

As shown in the table, all of the oils are 5W-30 in viscosity but that is the only common point amongst them. Some are premium mineral, some semi synthetic and others full synthetic. Some have different API specifications, some have different ACEA specifications and some are OEM approved.

It is important when selecting an oil, to find the correct specifications to match the intended application and not just the viscosity. Generally the owners handbook will give –

- 1) Preferred Viscosity or a range to work in depending on the climate of the country.
- 2) API, ILSAC or ACEA or multiple specifications
- 3) OEM (Original Equipment Manufacturer) specification

So picking the correct viscosity is only part of the selection process. Some oils are suitable for both petrol & diesel engines, some are suitable for petrol only. Each of the above oils, have chemical alterations from one another designed to cover different applications requested by manufacturers.

At Penrite we believe in providing "The Right Oil for the Right Application". To find the correct product for your vehicle, [Click Here](#) to visit the Penrite Recommendation Guide, which will ensure you receive the correct oil for your application.



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