



TECHNICAL BULLETIN

E85 Compatible Engine Oils

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E85 fuel is a mixture consisting of 85% ethanol and 15% unleaded petrol. It has been introduced as a fuel as it is a form of renewable energy and, as such, can potentially renew hydrocarbon reserves.

Vehicles able to use E85 can be also known as Flex Fuel vehicles. Some examples of these are VE2 Holden Commodore V6, VF Commodore V6, Chrysler Sebring V6, Dodge Journey & Avenger, SAAB 9-3 & 9-5 Bio Power Models. In Motorsport, all the V8 Supercars now run on E85 fuel.

It is important to use engine oils that are compatible with E85 fuel. Oils meeting API SN Resource Conserving and ILSAC GF-5 are best able to handle E85 fuel as a specific test was introduced for oils meeting this specification for corrosion protection when used with E85 as the fuel. The reason for this is oil that mixes readily with ethanol fuel blends can appear to go milky and may appear to be contaminated with water where fuel dilution occurs.

E85, in general, poses issues with corrosion protection as water is soluble in ethanol and even trace amounts can increase the likelihood of rust occurring inside the engine and fuel delivery system.

Penrite recommends the following oils for use with E85 Fuel.

Everyday Use

Enviro + GF-5 5W-30
Premium Mineral 10W-30
Vantage Semi Syn. 5W-30
PRO 10 SAE 10W-30

Enviro+ 0W-20 **(New)**
Vantage Mineral 5W-30

Premium Mineral 5W-30
Vantage Mineral 10W-30

For Competition Use Only

Premium FS 0 0W-40

Premium FS 5 5W-50

Premium FS 10 10W-60

Racing 0 0W-20
Racing 15 15W-50

Racing 5 5W-30
Racing 20 20W-60

Racing 10 10W-40

HPR 5 5W-40
HPR 30 20W-60

HPR 10 10W-50
HPR 40 25W-70

HPR 15 15W-60
HPR 50 40-70

Competition Motorcycles

MC4ST 5W-40

MC4ST 10W-40

MC4ST 15W-50

For 2-stroke competition applications, use Penrite Race Castor Synthetic, which tests so far, have shown that it is miscible with E85.

If using products other than E85 approved oils, Penrite suggest more frequent oil change periods that will lessen the chance of corrosion of engine internals and / or dilution of the engine oil.

Penrite recommend "The Right Oil for the Right Application"

[Click Here](#) to visit the Penrite Recommendation Guide, which will ensure you receive the correct oil for your vehicle



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