



# TECHNICAL BULLETIN

## E85 Compatible Engine Oils

Issue: November 2014



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/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 SAE 5W-30  
Vantage Mineral 5W-30  
PRO 10 SAE 10W-30

Everyday SAE 5W-30  
Vantage Mineral 10W-30

Everyday SAE 10W-30  
Vantage Semi Syn. 5W-30

#### For Competition Use Only

Premium 0 SAE 0W-40

Premium 5 SAE 5W-50

Premium 10 SAE 10W-60

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

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

Racing 10 SAE 10W-40

HPR 30 SAE 20W-60

HPR 40 25W-70

HPR 50 40-70

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

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



PENRITE OIL COMPANY PTY LTD, 88 Lewis Road, Wantirna South

Victoria AUSTRALIA 3152, ABN 25 005 001 525  
Enquiries: Phone 1300-PENRITE (1300 736 748)  
Fax: 1800-PENRITE (1800 736 748)  
International: Phone: 61 3 9801 0877, Fax: 61 3 9801 0977  
New Zealand Ph: 0800 533 698, Fax: 0508 736 748

PROUDLY AUSTRALIAN  
FAMILY OWNED  
SINCE 1926



United Kingdom and EU Ph: +44 (0) 1594 562357, Fax: +44 (0) 1594 564234  
Website: [www.penriteoil.com](http://www.penriteoil.com) Email: [penrite@penriteoil.com](mailto:penrite@penriteoil.com)

PENRITE