



# Product Information

## HPR 5

**Codes: HPR05001, HPR05005, HPR05020, HPR05060, HPR05205**

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Penrite HPR 5 is a premium quality semi-synthetic SAE 5W-40 petrol engine oil formulated with a blend of severely hydroprocessed base oils. In addition, the combination of new edge technology additives and a low shear rate viscosity modifier, ensures additional protection against wear, corrosion, oil oxidation and sludge under tough Australian Conditions.

Penrite HPR 5 meets the requirements of API SM/CF and the European Standards ACEA A3/B4, as well as many manufacturers' specifications.

### Application

Designed for use in latest generation petrol engines such as multi-cam, multi-valve, turbocharged and supercharged engines including the new high output European and Japanese engines. Also recommended for engines with variable valve timing. Specific applications include MG-F, MG-TF, MG-ZT, post 1998 vehicles manufactured by BMW, Volvo, Subaru and SAAB, high performance Japanese cars and other vehicles that specify the use of SAE 5W-30, 10W-30 or 5W-40 oils in the owner's handbook. HPR 5 can be used where the ILSAC GF-3/GF-4, ACEA A1/B1 and A5/B5 fuel economy specifications are specified.

While HPR 5 is suitable for use in many diesel powered vehicles, HPR Diesel 5 is our primary recommendation in this viscosity range.

### Customer Benefits

- Greater engine protection at operating temperatures compared to 5W-30 oils due to higher operating viscosity.
- Longer engine life by reducing formation of high temperature engine deposits.
- Longer oil life and less oil consumption versus similar man-made synthetic oils due to the use of advanced hydroprocessed base oils.
- Low start-up viscosity provides engine protection and power/fuel economy retention at the most critical time of the engines run cycle.

### Industry Specifications

Penrite HPR 5 meets the performance requirements of:

API SM/CF	ACEA A3/B4 (Europe)
SAAB	Mercedes Benz 229.3
GM 4718M (Corvette)	Renault
Rover RES.22.OL.22	VW 502.00/505.00
Volvo	Chrysler MS-6395G
Ford M2C912A, M2C913A/B	Porsche
Ford M2C153-G/H	Opel B040 2095
BMW LL-98	GM-LL-B-025

## Typical Properties

Density at 15°C, kg/L	0.859
Viscosity, Kinematic, cSt	
at 40°C	102
at 100°C	15.2
Viscosity Index	157
Cold Cranking Viscosity, cP at -30°C	5440
HT/HS Viscosity, cP at 150°C	4.6
Zinc, Mass %	0.124
Phosphorus, Mass %	0.113
Sulphated Ash, mass %	1.17
Base Number, mass %	9.5

### Environment, Health and Safety