



# HPR

## HPR 0

### Full Synthetic 0W-30 Engine Oil

Issue: June 2017

Product Code	Pack Size	Ctn / Qty
HPR00001	1 Litre	6
HPR00005	5 Litre	4
HPR00020	20 Litre	1
HPR00205	205 Litre	1

### Product Description

**HPR 0** is a premium, full synthetic SAE 0W-30 engine oil. Contains a **DOUBLE LAYER** of engine wear protection with **FULL ZINC** and Penrite's advanced **EXTRA TEN** technology. It uses a combination of the latest additive technology and a low shear rate viscosity modifier, to ensure additional protection against wear, corrosion, oxidation, piston deposits and sludge under tough conditions.

**HPR 0** exceeds the requirements of API SL/CF, ACEA A3/B4 as well as many manufacturers' specifications.

### Application

**HPR 0** is designed for use in modern 4, 6 & 8+ cylinder multi-cam, multi-valve (including VVT), naturally aspirated, supercharged & turbocharged engines, including petrol/electric hybrids.

**HPR 0** is suitable for vehicles that specify the use of SAE 0W-30, SAE 5W-20 or 0W-20 low viscosity engine oils as specified in the owner's handbook.

**HPR 0** can be used where the ILSAC GF-3/GF-4, ACEA A1/B1 and A5/B5 fuel economy specifications are specified by the manufacturer.

**HPR 0** is suitable for use in LPG and light duty diesel engines. It is also suitable for use in Hybrid powered petrol/electric vehicles where this viscosity and specification are requested by the manufacturer. It is **NOT** suitable for use in diesels fitted with a DPF (Diesel Particulate Filter) that require an ACEA "C" grade Low-SAPS (Sulphated Ash, Phosphorus & Sulphur) engine oil or in four stroke motorcycles.

### Vehicle & Fuel Types

**HPR 0** is suitable for use in passenger cars, 4WD's & light commercial vehicles and is compatible with Unleaded Petrol/LPG (Dual Fuel)/E10 & Diesel and other conventional fuels.

### Product Benefits

- **EXTRA TEN** technology offers the same engine wear protection at start up, but offers an extra layer of protection under all driving conditions compared to SAE 5W-20 & SAE 0W-20 engine oils
- **FULL ZINC** anti-wear additive package for ultimate engine wear protection
- Can be used in both petrol & diesel engines
- Low start-up viscosity allows easy starting in hydraulically actuated injector equipped engines
- Longer engine life by reducing formation of high temperature engine deposits
- Low start-up viscosity provides engine protection and power/fuel economy retention at the most critical time of the engine's run cycle
- Suitable for **HYBRID** petrol/electric vehicles
- Reduces wear by controlling soot deposits in diesel engines



# PENRITE



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## Industry Specifications

API SL/CF  
ACEA A3/B4

*\* Passes all engine test performance requirements of API SN and SM but although using the same base chemistry, cannot claim API SM or SN due to the full zinc content.*

## Manufacturer Specifications

BMW Longlife-01  
MB 229.3 / 229.5  
GM 4718M  
Ford M2C913-A/913-B

## Suitable for use where specifications below are required

*(FOR OUT OF WARRANTY SERVICE)*

ACEA A1/B1 (Obsolete)	ACEA A3/B3	ACEA A5/B5	ILSAC GF-3
ILSAC GF-4			

## Typical Data

Density at 15°C, kg/L	0.846
Viscosity, Kinematic, cSt	
at 40°C	54
at 100°C	10.3
Viscosity Index	183
Cold Cranking Viscosity, cP at -35°C	5128
Zinc, mass %	0.105
Phosphorus, mass %	0.096
Sulphated Ash, mass %	1.19
Base Number	10.7

Information in this sheet is based on recent production. Minor variations to typical properties are expected in normal manufacture and do not affect product performance. An MSDS is available on request.

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