



HPR

HPR 10

Full Synthetic 10W-50 Engine Oil

Issue: November 2016

| Product Code | Pack Size | Ctn / Qty |
|--------------|-----------|-----------|
| HPR10001 | 1 Litre | 6 |
| HPR10005 | 5 Litre | 4 |
| HPR10006 | 6 Litre | 3 |
| HPR10010 | 10 Litre | 1 |
| HPR10020 | 20 Litre | 1 |
| HPR10060 | 60 Litre | 1 |
| HPR10205 | 205 Litre | 1 |

Product Description

HPR 10 is a premium, full synthetic SAE 10W-50 engine oil. It 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, oil oxidation, piston deposits and sludge under all conditions.

HPR 10 exceeds the latest European ACEA A3/B4 and API SN/CF requirements, as well as many manufacturers' specifications.

Application

HPR 10 is designed for use in modern 4, 6 & 8+ cylinder multi-cam, multi-valve (including VVT), naturally aspirated, supercharged & turbocharged engines. It is not suitable for use in Rotary engines.

HPR 10 is designed for use in vehicles that specify the use of SAE 10W-40 or SAE 10W-50 engine oils in the owner's handbook. It can also be used where SAE 15W-40 oils are required.

HPR 10 can be used where ACEA A3/B3 is recommended and also where previous API specifications SM (2004-10), SL (2001-04), SJ are recommended.

HPR 10 is suitable for use in many Diesel and LPG powered vehicles requiring an engine oil meeting API CF or older specifications and / or ACEA A3/B3 / A3/B4 specifications. **HPR 10** is not suitable for use in diesel vehicles fitted with a DPF (Diesel Particulate Filter).

HPR 10 is not recommended for use in motorcycles.

Vehicle & Fuel Types

HPR 10 is suitable for use in passenger cars, competition & high performance vehicles, 4WD's and light commercial vehicles and is compatible with Petrol, LPG (Dual Fuel), E10, E85 (competition), Diesel (Non-DPF) and other conventional and racing fuels. If using with E85, Penrite recommend more frequent service intervals.



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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 SAE10W-40 & SAE 15W-40 engine oils
- **FULL ZINC** anti-wear additive package for ultimate engine wear protection
- **LATEST** oil specification technology exceeding **API SN** and **ACEA A3/B4** for maximum wear protection, minimum sludge formation & reduced piston deposits
- Reduces oil consumption and maintains oil pressure
- Longer engine life by reducing formation of high temperature engine deposits
- Competition proven and trusted protection for performance engines

Industry Specifications

API SN/CF
ACEA A3/B4

Manufacturer Specifications

| | | |
|--------------------|-------------------------------|----------------------------------|
| BMW LL-01 | BMW LL-98 | Ford M2C905-A3/910-A/153-F/153-G |
| GM 9986126 | GM LL-A/B-025 (Opel/Vauxhall) | Holden HN 2100 |
| MB 229.1/ 229.3 | Peugeot PSA E-02 | Renault |
| Rover RES.22.OL.22 | VW 501 00 / 502 00 / 505 00 | Chrysler MS-6395 |

Typical Data

| | |
|--------------------------------------|-------|
| Density at 15°C, kg/L | 0.866 |
| Viscosity, Kinematic, cSt | |
| at 40°C | 127 |
| at 100°C | 18.6 |
| Viscosity Index | 165 |
| Cold Cranking Viscosity, cP at -25°C | 6574 |
| Zinc, Mass % | 0.108 |
| Phosphorus, Mass % | 0.098 |
| Sulphated Ash, mass % | 1.21 |
| Base Number | 10.0 |

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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