



HPR Diesel 5 5W-40

Semi Synthetic Engine Oil

Issue: June 2013

PENRITE

Product Code	Pack Size	Ctn / Qty
HPRD5001	1 Litre	6
HPRD5005	5 Litre	4
HPRD5010	10 Litre	1
HPRD5020	20 Litre	1
HPRD5060	60 Litre	1
HPRD5205	205 Litre	1
HPRD51000	1000 Litre	1



Product Description

HPR Diesel 5 is a premium high performance semi synthetic SAE 5W-40, non-friction modified engine oil. Contains a **DOUBLE LAYER** of engine wear protection with **FULL ZINC** and Penrite's advanced **EXTRA TEN** technology. It contains a combination of high technology additives, including increased dispersant levels and low shear viscosity modifiers. It Protects against corrosion, oil oxidation and sludge under all operating conditions.

HPR Diesel 5 meets the requirements of API CI-4 PLUS/SL and ACEA A3/B4/E7 as well as many manufacturers' requirements

Application

HPR Diesel 5 is designed for use in modern 4, 6 & 8+ cylinder multi cam, multi valve (Including VVT), naturally aspirated, supercharged, turbocharged common rail & direct injection diesel engines. It is also suitable for diesel engines that are equipped hydraulically actuated injector units.

HPR Diesel 5 features Penrite's Extra Ten technology that provides better wear protection, oil pressure and reduced oil consumption at operating temperature. It can be used where SAE 5W-30, SAE 5W-40, SAE 10W-30 & SAE10W-40 grade oils were originally recommended by the manufacturer.

HPR Diesel 5 is suitable for use where fuel economy specifications ACEA A1/B1, A5/B5 and Global DLD-2 are specified in the owners handbook.

HPR Diesel 5 is also suitable for use in petrol and LPG engines as a mixed fleet oil.

HPR Diesel 5 is suitable for motorcycles with wet clutches

HPR Diesel 5 is not suitable for vehicles fitted with a DPF (Diesel Particulate Filter)



Vehicle Types

HPR Diesel 5 is suitable for use in diesel engines in passenger cars, motorcycles, 4WD's, light & heavy duty commercial engines in trucks, tractors, agricultural & earthmoving equipment as well as industrial equipment such as fork lifts & stationary engines

Fuel types

HPR Diesel 5 is suitable for use with Diesel & Petrol/E10/LPG (Dual Fuel)

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-30 engine oils.
- **FULL ZINC** anti-wear additive package for ultimate engine wear protection
- Low start-up viscosity allows easy starting in hydraulically actuated injector equipped engines
- Reduces oil consumption and maintains oil pressure
- Protects against corrosion, oil oxidation and engine sludge



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- Reduces wear by controlling soot deposits

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Industry Specifications

API CI-4 PLUS/SL
ACEA A3/B4/E7
Global DLD-2/DLD-3
JASO DH-1
JASO MA

Manufacturer Specifications

MB 228.3/229.3 VW 502.00/505.00 Opel B040 2098
Ford M2C153-H/171-C/913-B Peugeot PSA D-02

Typical Data

Density at 15°C, kg/L	0.859
Viscosity, Kinematic, cSt	
at 40°C	100
at 100°C	14.7
Viscosity Index	152
Cold Cranking Viscosity, cP at -30°C	5,576
Zinc, Mass %	0.122
Phosphorus, Mass %	0.110
Sulphated Ash, mass %	1.34
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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