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## HPR DIESEL 15 15W-50 (Semi Syn.)

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PRODUCT CODE	PACK SIZE	CARTON QTY
HPRD15001	1L	6
HPRD15005	5L	4
HPRD15007	7L	
HPRD15010	10L	
HPRD15020	20L	
HPRD15060	60L	
HPRD15205	205L	

### PRODUCT BENEFITS

**HPR Diesel 15** is a premium high performance semi synthetic SAE 15W-50, non-friction modified engine oil. It features a **DOUBLE LAYER** of engine wear protection with **FULL ZINC** and Penrites 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.

### APPLICATION

**HPR Diesel 15** is designed for use in modern 4, 6 & 8+ cylinder multi cam, multi valve (Including VVT), naturally aspirated, supercharged, turbocharged common rail and direct injection engines.

**HPR Diesel 15** is recommended for use in vehicles where SAE 15W-40, SAE 15W-50 or SAE 20W-40 grade engine oils were originally recommended by the manufacturer. It can be used where API CI-4, Global DLD-1, DLD-3, DHD-1 or JASO DH-1 are specified in the owners hand book. It can be used where ACEA A3/B3, ACEA A3/B4 or ACEA E7 is recommended and is suitable for use in many older diesel and LPG powered vehicles requiring an engine oil meeting API CH-4, CG-4, CF-4 or older specifications.

**HPR Diesel 15** is **NOT** recommended for use in diesels fitted with a DPF (Diesel Particulate Filter) that require an ACEA C grade Low-Mid SAPS (Sulphated Ash, Phosphorus & Sulphur) engine oil. We recommend checking the recommendation guide for the correct grade and specification.

### EXTRA TEN TECHNOLOGY

**HPR Diesel 15** features Penrites Extra Ten Technology in the oils operating temperature viscosity that provides better wear protection, oil pressure and reduced oil consumption at operating temperature. It provides an added layer of protection for engines that are under high load conditions, competition, operating in high ambient temperatures or showing signs of excessive oil consumption.

### VEHICLE & FUEL TYPES

**HPR Diesel 15** is suitable for use in diesel engines in passenger cars, motorcycles, 4WDs, light & heavy duty commercial engines in trucks, tractors, agricultural & earthmoving equipment as well as industrial equipment such as fork lifts & stationary engines. It can be used with Diesel & Petrol/E10/LPG (Dual Fuel). Suitable for petrol and LPG engines as a mixed fleet oil and can be used in motorcycles with wet clutches.

### IMPORTANT INFORMATION WHEN CHANGING OIL

**NOTE:** when changing oil, Penrite recommend using **Penrite Engine Flush**, a fast acting, solvent free, engine cleaning formulation that removes engine deposits, sludge and contaminants with the oil service drain. It contains added zinc for engine wear protection and its fast acting formulation works in 10 minutes.

**Please Note:** A 58mm cap with pouring tap is available to fit 7, 10 & 20 litre packs. <https://penriteoil.com.au/products/58mm-plastic-tap>





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### **PRODUCT BENEFITS**

- **EXTRA TEN** provides an **EXTRA LAYER** of engine protection
- **FULL ZINC** additive package for superior engine wear protection
- **GREATER** engine protection than 15W-40 grade oils
- Minimises sludge formation
- Less oil consumption compared to 15W-40 oils
- Reduces wear by controlling soot deposits
- Longer engine life
- Reduced high temperature engine deposits
- Longer oil life
- Reduces wear due to advanced base oils
- Suitable for both Diesel and LPG engines
- Can be used in light and heavy duty diesel engines
- Safe for wet clutch motorcycles

### **PRODUCT PERFORMANCE LEVELS**

- ACEA A3/B4
- ACEA E7
- Allison C-4
- API CF-4
- API CG-4
- API CH-4
- API CI-4
- API CI-4/SL
- Caterpillar ECF-1-a
- Cummins CES 20078
- Deutz DQC-11-05
- Ford M2C153-F
- Ford M2C153-G
- Ford M2C171-C
- Global DHD-1
- Global DLD-1
- Global DLD-3
- JASO DH-1
- Mack EO-N Premium Plus 03
- MAN 3275
- MB 228.3.
- MTU Type 2
- Peugeot PSA D-02
- Renault RLD-2
- Volvo VDS-3
- VW 502 00
- VW 505 00

### **TYPICAL DATA**

Density at 15°C, kg/L	0.870
Viscosity, Kinematic, cSt at 40°C	142
Viscosity, Kinematic, cSt at 100°C	19.0
Viscosity Index	152
Cold Cranking Viscosity, cP at -20°C	4749
Ca content, Mass %	0.363
Zinc, Mass %	0.109
Phosphorus, Mass %	0.099
Sulphated Ash, Mass %	1.4
Total Base Number (TBN)	11.1