



TECHNICAL BULLETIN

LPG & Dual Fuel Engine Oils

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Penrite has specialised products suitable for LPG and Dual fuel vehicles.

1. Penrite HPR Gas Range

Oil Type	Product Name	Specifications	Primary Application
PREMIUM MINERAL	HPR GAS 20W-60	API CG-4/SL, JASO MA	Higher viscosity oil developed specifically for older LPG fuelled cars and light commercial vehicles. Contains carefully selected additives to minimise nitration of the oil, maintaining bearing life. May be used in older fleets of mixed fuelled light vehicles including turbocharged engines. Suitable for use in four stroke motorcycles.
SEMI SYNTHETIC	HPR GAS 10 10W-50	API CI-4/SL, ACEA A3/B3, Ford M2C905A3, Global DLD-3, HN2314, JASO MA	Semi-synthetic oil designed for use in newer LPG engines where SAE 15W-40 or 15W-50 oils are required. Contains carefully selected additives to minimise nitration of the oil, maintaining bearing life. May be used in newer fleets of mixed fuelled (ie diesel, petrol, gas) light vehicles including turbocharged engines. May be used in four stroke motorcycles.

Penrite's HPR Gas range is a dedicated LPG oil range for LPG fuelled vehicles or those running on dual fuel (Petrol/LPG). These Gas oils contain an additive packs that counter balance the effects of running on LPG, these being, nitration of the oil that results in premature wearing of the bearings. Penrite HPR Gas and Gas 10 have effective additives to minimise the oil nitration preventing premature wear on the bearings.

The other major drawback of LPG fuelled vehicles is that LPG runs hotter and dryer than petrol which can contribute to valve seat recession due to lack of upper cylinder lubrication. [Penrite Upper Cylinder Lubricant](#) that can be added to a drip system or mixed with petrol in dual fuel vehicles to help prevent valve seat recession caused by using LPG.

Both HPR Gas & Gas 10 meet JASO MA specifications hence, both oils are suitable for use in four stroke motorcycles that have wet clutches.

2. Other LPG Recommendations:

If a lower viscosity Full or Semi Synthetic oil is specified for an LPG fuelled vehicle, then both HPR 5 and HPR Diesel 5 are both suitable for dual and dedicated LPG systems.

[HPR 5](#) is a **Full Synthetic** 5W-40 motor oil. It is particularly suited to late model, multi-valved, high performance engines. It is OEM approved for both Mercedes Benz 229.5 and BMW Long Life-01 applications.

[HPR Diesel 5](#) is a **Semi Synthetic** 5W-40 engine oil for Light Diesel and Multi-Fleet Petrol/LPG vehicles.

Oil Type	Product Name	Specifications	Primary Application
Synthetic	HPR 5 5W-40	API SN/CF, ACEA A3/B4, MB-Approval 229.5, BMW Long Life-01 Approved, JASO MA1	Full synthetic engine oil for use in the latest generation of high performance engines. Ideal where this viscosity or SAE 5W-30 or 10W-30 oils are recommended. Particularly suited for engines with variable valve timing as well as where ILSAC GF-3/GF-4/GF-5 and ACEA A1/B1, A5/B5 fuel economy oils are called for.
Semi Synthetic	HPR Diesel 5	API CI-4 PLUS/SL, ACEA A3/B4/E7, MB 229.3, Global DLD-2/3, JASO MA	Semi-synthetic high performance engine oil for use in the modern generation of high performance diesel engines including turbocharged. Ideal where this viscosity, SAE 5W-30 or 10W-30 is recommended. Also suitable for petrol and LPG engines.



Penrite recommend "The Right Oil for the Right Application"

[Click Here](#) to visit the Penrite Recommendation Guide, which will ensure you receive the correct oil for your application

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