



SHELL AUTOGAS

AUTOMOTIVE LPG FUEL

DESCRIPTION

Shell Autogas is a hydrocarbon fuel comprised mainly of propane and butane typically as a 50:50 mixture. The gas is liquefied under moderate pressure and expands approximately 260 times its liquid volume when it is allowed to revert to a vapour. This characteristic enables LPG to be stored as a compact liquid but burnt as a dry gaseous vapour.

Conforms to the requirements of NZS5435 Liquefied Petroleum Gas General Product.

SUMMARY OF BENEFITS

Shell Autogas in automotive applications has the following benefits :

- Lower cost than petrol or diesel operation
- LPG is more environmentally friendly than petrol or diesel, with reduced CO2 emissions.
- Engine life is prolonged
- Safety and ease of operation are assured

APPLICATIONS

Shell Autogas is an automotive LPG fuel and is suited for applications such as motor cars, buses, delivery vans, trucks, fork lifts etc that either have been converted for automotive LPG use or have engines that have been designed to operate on automotive LPG.

HEALTH & SAFETY

LPG as a fuel has properties that are inherently different to other liquid fuels and as such has its own unique set of safe handling issues. It is quite safe provided disciplined and safe handling procedures are adopted at all times. For further guidance on product Health and Safety refer to the appropriate Shell Material Data Sheet.

TYPICAL CHARACTERISTICS

From NZS 5453:1996

DESCRIPTION	UNITS	METHODS	TYPICAL
Colour	-	-	Clear (Colourless)
Vapour Pressure (gauge) at 37.8°C	kPa	ASTM D1267	1430 max
Residual matter	% vol	ASTM D2158	0.05 max.
Corrosion, Copper Strip	-	ASTM D1838	Class 1
Sulphur (after odourising)	mg/kg	ASTM D2784	140 max
Moisture Content (dryness)	-	ASTM D2713	Pass
Free Water	-	Visual Inspection	None
Motor Octane Number	-	BS EN 589	92 [90 min]
Odorant	ml/l		1/60

Document Information

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