



## Duratec G

Proven robust performance with various gas types.

### Description

Castrol Duratec G is a low ash SAE 40 Gas Engine Oil, manufactured with high quality base stocks.

### Application

Castrol Duratec G is designed for use in Stationary Gas Engines operating on Natural or Landfill Gas.

Castrol Duratec G provides the potential for extended drain intervals, lower oil consumption and protection against valve deposits.

### Approval Status

Castrol Duratec G meets requirements of Caterpillar Stationary Gas Engines (3516G Series) operating on Natural or Landfill Gas and Waukesha Series 4 on Natural gas.

Castrol Duratec G is approved by INNIO Waukesha for:

All Engines in Cogeneration/Gas Compression Applications using Pipeline Quality Gas

### Advantages

Stationary Gas engines are susceptible to many types of engine deposits and contamination, relating to the type of gas burned. Deposits and contamination can reduce engine clearances, cause abrasive wear and contribute to increased oil consumption. This may necessitate more frequent maintenance downtime and higher running costs.

Castrol Duratec G can protect and extend the life of critical combustion chamber components against silicon-based deposits in Landfill Gas Engines.

Castrol Duratec G also protects against piston deposits in Natural Gas Engines.

After testing with Natural and Landfill gas, in different OEM engines, Castrol Duratec G demonstrated:

- Excellent deposit and contamination control, ensuring engine clearances and cleanliness is maintained.
- Good engine wear protection.
- Low Oil consumption.
- Optimised BN retention to neutralise harmful acids and protect critical engine components.
- Resistance to damaging oxidation and nitration, avoiding premature oil degradation.

## Typical Characteristics

Name	Method	Units	Typical Values
Relative Density @ 15°C	ASTM D4052	g/ml	0.87
Appearance	Visual	-	Clear & Bright
Colour	ASTM D1500	-	2
Kinematic Viscosity, Kinematic 100°C	ASTM D445	mm <sup>2</sup> /s	13
Kinematic Viscosity, Kinematic 40°C	ASTM D445	mm <sup>2</sup> /s	115.7
Viscosity Index	ASTM D2270	None	107
Total Base Number	ASTM D2896	mg KOH/g	5.8
Flash Point, PMCC	ASTM D93	°C	228
Flash Point, COC	ASTM D92	°C	274
Pour Point	ASTM D97	°C	-30
ASTM Noack Volatility	ASTM D5800	% wt	2.0
Sulphated Ash	ASTM D874	% wt	0.5
Phosphorus	ASTM D4951	% wt	300

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

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13 May 2022

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