



Product Data

Duratec G

Proven robust performance with various gas types.

Description

Castrol Duratec G is a low ash SAE 40 engine oil, manufactured with high quality base stocks, designed for use in stationary gas engines operating on both sweet and sour natural gas, or landfill gas.

Application

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.

Approval Status

Castrol Duratec G is approved for use by several OEMs after demonstrating required performance in required field testing. Approvals are for natural gas types unless stated otherwise.

- Bergen - B35:40, C26:33 and K-engines
- Caterpillar - 3516G engines*
- INNIO Waukesha - VGF Series(F18, H24, L36, P48 G, GL, GLD, GSI, GSID), VHP Series (F3521, L5790, L7042, P39390 G, GSI, GL and all series 4, series 5, and P9390X models), 275GL/GL+ Series (12V, 16V), and APG Series (16V150LTD)**
- Wärtsilä - 20DF, 25DF, 31DF, 32DF, 34DF, 46DF and 50DF engines

*Natural and landfill gas types

** Pipeline quality natural gas; refer to Waukesha technical bulletin for comprehensive list of models and requirements.

Advantages

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

After testing with natural and landfill gases 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 TBN 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	mm²/s	13
Kinematic Viscosity, Kinematic 40°C	ASTM D445	mm²/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	250

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

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to sunlight or freezing conditions.

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13 Jan 2026

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