



**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;

- Caterpillar
- Waukesha
- Rolls Royce
- Wartsila\*

\*awaiting formal letter of approval

### **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  | 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               | 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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