

## Castrol Duratec L

### Natural Gas fuelled engines

#### Description

Castrol Duratec L is a monograde gas engine lubricant that provides excellent thermal and oxidative stability to reduce combustion chamber deposits and significantly reduce maintenance costs.

Duratec L is formulated primarily for spark ignition natural gas engines where the gas is largely free from aggressive components such as hydrogen sulphide and chlorine or fluorine compounds. Duratec L has been specifically developed to reduce deposit formation, and improve oxidation characteristics whilst offering excellent corrosion control and base oil retention.

Castrol Duratec L is approved by R-R Ulstein, Wartsila, Perkins, Ruston and Mirrlees Blackstone, and meets the requirements of Caterpillar, Jenbacher, Waukesha, Guascor, Deutz and MAN.

#### Application

- ❑ Power Generation

#### Key Benefits

Castrol Duratec L is available globally and combines excellent thermal and oxidative stability, and balanced additive system in Offshore operations to provide the following key benefits: -

- ❑ Improved engine life through reduced component wear
- ❑ Lower operating costs through increased drain intervals
- ❑ Significantly reduced maintenance costs through a decrease in combustion chamber deposits and enhanced engine cleanliness



**Offshore**

### Performance Levels & OEM Specifications

- Caterpillar
- Deutz
- Guascor
- Jenbacher
- MAN
- Mirrlees Blackstone
- Perkins
- Rolls-Royce Ulstein
- Ruston
- Wartsila 175SG, 220SG, 25SG, 28SG and 34SG
- Wartsila 32DF and 50DF dual fuel engines running primarily on natural gas.
- Waukesha (normal coolant temperature installations).

### Physical Characteristics

	<b>VALUE</b>	<b>TEST METHOD</b>
SAE Viscosity	40	-
Base Oil Type	Mineral	-
Detergent Type	Calcium	-
Zinc Content, ppm	320	-
Phosphorus Content, ppm	280	-
Relative Density @ 15 °C	0.893	ISO 3675 / ASTM D1298
Viscosity @ 40 °C	124	ISO 3104 / ASTM D445
Viscosity @ 100 °C	13.0	ISO 3104 / ASTM D445
Viscosity Index	97	ISO 2909 / ASTM D2270
Total Base Number, mg KOH/g	5.1	ASTM D2896
Flash Point (COC), °C	250	ISO 2592 / ASTM D92
Pour Point, °C	-18	ISO 3016 / ASTM D97
Sulphated Ash, % weight	0.4	ISO 3687 / ASTM D874

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



### Disclaimer

Data reported in this datasheet are the result of work carried out in Castrol and other laboratories, and is believed to be accurate. Specific values are typical for the product, but must not be considered as constituting a specification.

Data included may be subject to revision, and additional data may be periodically added. Before using data in critical application, recipients are advised to consult Castrol Offshore at addresses below.

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### Health and Safety

The wearing of impervious PVC (or other suitable material) apron and gloves, together with eye protection is recommended. Contaminated clothing should be changed immediately and thoroughly cleansed before re-use. This applies especially to under garments.

Material safety data sheets are available for all Castrol Offshore products from [www.castrol.com/offshore](http://www.castrol.com/offshore) or by contacting the addresses below.

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