

## Duratec L

Gas Engine Lubricant

### Description

Duratec L is a mineral based SAE 40 low ash gas engine lubricant.

### Application

Duratec L is formulated primarily for spark ignition natural gas engines where a low ash formulation is specified and where the gas is largely free from aggressive components i.e. halogens and hydrogen sulphide.

The detergent/dispersant additive system has been designed to control deposit formation and improve oxidation characteristics whilst protecting the engine against corrosion and offering good TBN retention.

Duratec L is approved by:

- Deutz
- Jenbacher - engine types 2, 3 & 6 - Fuel Gas Classes A, B & C ( TI 1106-1109)
- Jenbacher - engine type 4 - Fuel Gas Classes A & B ( TI 1106-1109)
- Rolls Royce Ulstein (applications with separate lubrication for turbochargers)
- Wärtsilä 175SG, 220SG, 25SG, 28SG and 34SG
- Wärtsilä 32DF and 50DF dual fuel engines running predominantly on natural gas

Duratec L meets the requirements of / suitable for use in:

- Perkins
- Ruston
- Caterpillar
- Waukesha (normal coolant temperature installations)

### Advantages

- Reduces deposits & maintains engine cleanliness shown by multiple OEM engine trials and extensive field experience
- Possesses good thermal and oxidative stability <sup>1</sup>
- Provides good resistance to acid corrosion<sup>1</sup>
- Excellent antiwear characteristics <sup>1</sup>

<sup>1</sup> as demonstrated during multiple OEM approval trials and field installations

## Typical Characteristics

Name	Method	Units	Duratec L
Appearance	Visual	-	Clear and Bright
Density @ 15°C	ISO 12185 / ASTM D4052	kg/m <sup>3</sup>	890
Kinematic Viscosity, 100°C	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	13.0
Kinematic Viscosity, 40°C	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	125
Viscosity Index	ISO 2909 / ASTM D2270	None	98
Base Number	ISO 3771 / ASTM D2896	mg KOH/g	4.5
Flash Point, closed cup method	ISO 2719 / ASTM D93	°C	216
Pour Point	ISO 3016 / ASTM D5985	°C	-18
Sulphated Ash content	ISO 3987 / ASTM D874	% wt	0.45

Subject to usual manufacturing tolerances.

## 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 hot sun or freezing conditions.

Duratec L

29 Jan 2015

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Australia Level 8 (QV1 Building), 250 St. Georges Terrace, Perth WA 6000, Australia. Customer Service Number +61 (0)8 9420 1825

Dubai City Tower 2, 6th Floor PO BOX 1699, Sheikh Zayed Road, Dubai, U.A.E. Customer Service Number +971 4 3079304

Norway Drammensveien 167, Box 153 Skoyen, 0212 Oslo, Norway. Customer Service Number +47 22 51 12 43 501

Singapore Keppel Bay Towers, 1 Harbourfront Avenue 02-01, Singapore 098632, Singapore. Customer Service Number +65 6371 8478

United Kingdom BlueSky Business Space, Westpoint House, Pavilion 2 Prospect Park, Prospect Road, Arnhall Business Park, Westhill. AB32 6FJ, UK. Customer Service Number +44 (0)1224 270365

USA 501 Westlake Park Boulevard, Houston, Texas 77079, USA. Customer Service Number +1 800 339-7157., Brazil Avenida Itaoca, 2.400, Inhauma, Rio de Janeiro, Zip code 21061-020, customer service +55 11 4133 7835

[www.castrol.com/globalbusiness](http://www.castrol.com/globalbusiness)