



## Castrol Duratec XPL

Gas Engine Lubricant

### Description

Castrol Duratec™ XPL is a full synthetic zinc and phosphorus free SAE 40 low ash premium performance gas engine lubricant.

### Application

Duratec XPL is for use in spark ignited highly rated gas engines operating at high loads and high temperature where a low ash formulation is specified and where the gas is largely free from aggressive components i.e. hydrogen sulphide and halogens.

This full synthetic formulation has shown significantly longer oil drain intervals when compared to mineral based formulations, often lasting three, and as much as six times as long before reaching the usual oil condemning limits. The viscosity is also equivalent to an SAE 20W/40 multigrade, promoting easier starting and efficient lubrication at low temperatures with optimum protection at high temperatures.

Duratec XPL is approved by:

Deutz

MDE

### Advantages

- Exceptional thermal and oxidative stability provides reliable operation and extended operating life when compared to mineral oil based products.
- Exceptional antiwear characteristics provide outstanding protection against piston and cylinder wear and scuffing.
- Reduces ash deposition & maintains engine cleanliness.
- Provides good resistance to acid corrosion.

## Typical Characteristics

Name	Method	Units	Duratec XPL
SAE Class	-	-	40
Density at 15°C/59°F	ISO 12185, ASTM D4052	g/ml	0.85
Viscosity at 100°C/212°F	ISO 3104, ASTM D445	mm <sup>2</sup> /s	14.0
Viscosity at 40°C/104°F	ISO 3104, ASTM D445	mm <sup>2</sup> /s	109
Viscosity Index	ISO 2909, ASTM 2270	-	130
Pour Point	ISO 3016, ASTM D97	°C/°F	-45/-49
Flash Point PMC	ISO 2719 ,ASTM D93	°C/°F	230/446
Flash Point COC	ISO 2592, ASTM D92	°C/°F	250/482
TBN	ISO 3771, ASTM D2896	mgKOH/g	4.9
Sulphated Ash	ISO 3987, ASTM D874	% wt	0.45
Zinc	ASTM D4951	ppm	<10
Phosphorus	ASTM D4951	ppm	<10
Boron	ASTM D4951	ppm	150

Subject to usual manufacturing tolerances.

Castrol Duratec XPL

31 Dec 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.

Castrol (UK) Limited, PO BOX 352, Chertsey Road, Sunbury On Thames, Middlesex, TW16 9AW

Orders/Enquiries: 0345 9645111 Technical Enquiries: 0345 082 1719

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