



## 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.

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