



Product Data

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 or meets requirements for the following OEMs (all natural gas type unless otherwise stated):

- Deutz - all engines
- MAN - M3271-2 engine
- MTU - series 400 engines *
- MWM - TCG 2016, 2020 and 2032 engines
- MWM Caterpillar - CG132, 170 and 260 engines

*Natural gas, propane and suitable for catalytic converter

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	mm²/s	14.0
Viscosity at 40°C/104°F	ISO 3104, ASTM D445	mm²/s	109
Viscosity Index	ISO 2909, ASTM 2270	-	130
Pour Point	ISO 3016, ASTM D97	°C/°F	-45/-49
Flash Point PMCC	ISO 2719 ,ASTM D93	°C/°F	230/446
TBN	ISO 3771, ASTM D2896	mgKOH/g	4.9
Sulphated Ash	ISO 3987, ASTM D874	% w t	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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