



## Duratec LD

For Longer Drains and Continuous Operations

### Description

Castrol Duratec LD is formulated with modern Gas Engine additives and Synthetic Technology base oils to delay oil degradation to extend oil drain intervals. Castrol Duratec LD is designed for use in stationary gas engines that are running at higher pressures to deliver greater efficiency and to reduce emissions. This higher Brake Mean Effective Pressure (BMEP) means higher engine temperatures, leading to faster oil degradation. Shortened oil drain intervals can lead to an increase risk in engine component failure.

### Application

Castrol Duratec LD is formulated with modern Gas Engine additives and Synthetic Technology base oils to delay oil degradation to extend oil drain intervals.

Castrol Duratec LD has lasted up to 20% longer in severe field trials \*

Castrol Duratec LD is low ash oil designed with the base number required to maintain engine cleanliness, provide resistance to acid corrosion and protect the engine from wear throughout the oil life.

\* tested in modern gas engine from a leading provider vs the OEM recommended service interval.

### Approval Status

Castrol Duratec LD is approved by INNIO Jenbacher,  
for all versions of Engine Types 2,3,4 and 6, including J624 (Fuel Class A).  
Fuel Class A: Natural Gas, Associated Petroleum Gas, Mine Gas, Biogas (Sulphur < 200 mg/10 kWh).  
Castrol Duratec LD meets the requirements of Caterpillars 3516H Series engines (Natural Gas).  
Castrol Duratec LD is approved by INNIO Waukesha,  
for engines in Cogeneration/Gas Compression applications (Pipeline Quality Gas).  
Castrol Duratec LD is approved by Rolls Royce Bergen,  
for engine models B35:40, B36:45, C26:33 and K-engines (Natural Gas).

### Advantages

Castrol LD delays oil degradation in severe gas engines, prolonging oil life giving a long drain interval.

It also demonstrated in OEM approval field testing to:

- Maintain engine cleanliness
- Have sufficient base number, resisting corrosion and protecting the engine from wear throughout the oil lifetime.
- Sustain film thickness, even at high temperatures.

Castrol Duratec LD, for longer drains and continuous operations.

## Typical Characteristics

Name	Method	Units	Typical Values
Relative Density at 15°C	ASTM D4052	g/ml	0.87
Appearance	Visual	-	Clear & Bright
Colour	ASTM D1500	-	2
Viscosity, Kinematic at 40°C	ASTM D445	mm <sup>2</sup> /s	108.8
Viscosity, Kinematic at 100°C	ASTM D445	mm <sup>2</sup> /s	13.0
Viscosity Index	ASTM D2270	-	115
Total Base Number	ASTM D2896	mg KOH/g	7.3
Flash Point, PMCC	ASTM D93	°C	223
Flash Point, COC	ASTM D92	°C	268
ASTM Noack Volatility	ASTM D5800	% wt	4.7
Pour Point	ASTM D97	°C	-18
Sulphated Ash	ASTM D874	% wt	0.5
Phosphorus	ASTM D4951	ppm	300

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

## 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 60C, exposed to hot sun or freezing conditions.

Duratec LD  
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The Technology Centre, Whitchurch Hill, Pangbourne, Reading, RG8 7QR, United Kingdom  
+44 (0)203 915 7991  
[www.castrol.com/globalbusiness](http://www.castrol.com/globalbusiness)