



## 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 offering excellent corrosion control and 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 is suitable for use in:

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

### Advantages

- Excellent thermal and oxidative stability leads to longer oil life and extends drain intervals. This reduces maintenance costs and down time.
- Provides good resistance to acid corrosion.
- Reduces deposits & maintains engine cleanliness.
- Excellent antiwear characteristics provide outstanding protection against piston, cylinder wear and scuffing.

## Typical Characteristics

Name	Method	Units	Duratec L
Product Code			11961
SAE Class			40
Density @ 15°C	ISO 12185 / ASTM D4052	g/ml	0.89
K.V. @ 100°C	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	13
K.V. @ 40°C	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	124
Viacosity Index	ISO 2909 / ASTM 2270	-	97
Pour Point	ISO 3016 / ASTM D 97	°C	-18
Flash Point, COC	ISO 2592 / ASTM D92	°C	250
Flash Point, PMCC	ISO 2719 / ASTM D93	°C	220
TBN	ISO 3771 / ASTM D 2896	mgKOH/g	4.5
Sulphuted Ash	ISO 3987 / ASTM D 874	% wt	0.45
Zinc	ASTM D4951	ppm	290
Phosphorus	ASTM D4951	ppm	260
Boron	ASTM D4951	ppm	150

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 damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing condition

Duratec L  
01 Feb 2012  
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