



## 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 meets the requirements of / suitable for use in:

- Perkins.
- Ruston.
- Caterpillar (3500 and 3600 series engines).
- Waukesha (normal coolant temperature installations).

### Conditions of Use

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

## Typical Characteristics

| Name                       | Method     | Units              | Duratec L |
|----------------------------|------------|--------------------|-----------|
| SAE                        |            |                    | 40        |
| Density @ 15°C, Relative   | ASTM D4052 | g/ml               | 0.89      |
| Viscosity, Kinematic 40°C  | ASTM D445  | mm <sup>2</sup> /s | 124       |
| Viscosity, Kinematic 100°C | ASTM D445  | mm <sup>2</sup> /s | 13        |
| Viscosity Index            | ASTM D2270 | -                  | 97        |
| Flash Point, COC           | ASTM D92   | °C                 | 250       |
| Flash Point, PMCC          | ASTM D93   | °C                 | 220       |
| Pour Point                 | ASTM D97   | °C                 | -18       |
| Total Base Number, TBN     | ASTM D2896 | mg KOH/g           | 4.5       |
| Ash, Sulphated             | ASTM D874  | % wt               | 0.45      |
| Zinc                       | ASTM D4951 | ppm                | 290       |
| Phosphorus                 | ASTM D4951 | ppm                | 150       |
| Boron                      | ASTM D4951 | ppm                | 150       |

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

## Additional Information

Duratec L is approved by:

- Deutz.
- 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.

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

Duratec L  
12 Jul 2011

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