



Product Data

Duratec MX

Gas engine lubricant

Description

Castrol Duratec MX is a mineral based zinc and phosphorus free SAE 40 medium ash gas engine lubricant.

Application

Duratec MX is for use in both spark ignition and dual-fuel gas engines. It is formulated specifically for use in four stroke medium and high speed engines running on aggressive landfill and sour gas fuels. The medium ash additive system provides protection against valve recession whilst still maintaining combustion space and turbocharger cleanliness.

Duratec MX provides a high degree of engine protection against corrosion and wear which can result from the high concentrations of halogens and hydrogen sulphide frequently encountered in such applications.

Duratec MX is approved or meets requirements for the following OEMs (all natural gas type unless otherwise specified):

- Deutz - all engines
- INNIO Jenbacher - Type 2 and 3 engines (gas types B and C)*
- MAN - M3271-4 engine
- Siemens

* Gas type B (biogas/sewage gas), gas type C (landfill gas)

Advantages

- High resistance to oxidation and nitration which can lead to longer oil life and extended drain intervals. This can help reduce maintenance costs and down time.
- Efficient neutralisation of acidic combustion products from landfill gases provides good resistance to acid corrosion leading to long service life in aggressive fuel gas applications.
- Low combustion space and turbocharger deposits

Typical Characteristics

Name	Methods	Units	Duratec MX
Appearance	Visual	-	Clear & Bright
Kinematic Viscosity @ 100°C	ISO 3104 / ASTM D445	mm ² /s	13.0
Kinematic Viscosity @ 40°C	ISO 3104 / ASTM D445	mm ² /s	124
Density @ 15°C	ISO 12185 / ASTM D4052	kg/m ³	890
Viscosity Index	ISO 2909 / ASTM D2270	-	98
Base Number	ISO 3771 / ASTM D2896	mg KOH/g	7.2
Flash Point - closed cup method	ISO 2719 / ASTM D93	°C	225
Pour Point	ISO 3016 / ASTM D97	°C	-18
Sulphated Ash content	ISO 3987 / ASTM D874	% w t	0.7
Flash Point - open cup method	ISO 2052 / ASTM D92	°C	250

Subject to usual manufacturing tolerances

Duratec MX
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