



**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 by: Jenbacher - Series 2 & 3 gas engines: Landfill gas, digester gas, sewage gas applications (TA1000-1105 and TA 1000-0125). Deutz - Landfill gas, digester gas, sewage gas applications. Man Nutzfahrzeuge AG - Natural gas, landfill gas, sewage gas applications. Guascor

### **Advantages**

- High resistance to oxidation and nitration leads to longer oil life and extends drain intervals. This reduces maintenance costs and down time.
- Excellent antiwear characteristics provide outstanding protection against piston and cylinder wear and scuffing.
- Efficient neutralisation of acidic combustion products from landfill gases provides outstanding resistance to acid corrosion
- Low combustion space and turbocharger deposit
- Longer service life in aggressive fuel gas applications.
- Low crankcase deposits and cleaner operation.

## Characteristics

Test	Method	Units	Duratec MX
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
Viscosity Index	ISO 2909 / ASTM 2270	-	98
Pour Point	ISO 3016 / ASTM D97	°C	-18
Flash Point, COC	ISO 2592 / ASTM D92	°C	258
Flash Point, PMCC	ISO 2719 / ASTM D93	°C	215
TBN	ISO 3771 / ASTM D2896	mgKOH/g	7.2
Sulphated Ash	ISO 3987 / ASTM D874	% wt	0.7
Zinc	ASTM D4951	ppm	<10
Phosphorus	ASTM D4951	ppm	<10
Boron	ASTM D4951	ppm	150

## Typical Characteristics

Name	Method	Units	

Duratec MX  
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**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 operation of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.  
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