



EN590 - Gas Oil

Description

Gas Oil meets BS 2869 (2010) Class A2 and the EN590 specification. Gas oil is a dyed and marked product, to be used for small furnace or boiler applications, stationary diesel and untaxed engines.

Specification

TECHNICAL CHARACTERISTICS

Parameter	Unit	Minimum	Maximum	Typical
Appearance	-	Clear & bright, Cherry Red, Free from visible sediment.		Pass
Density at 15°C	kg/m ³	0.820	-	0.856
Kinematic viscosity at 40°C	mm ² /s	1.5	5.5	3.5 – 4.5
Carbon residue (Ramsbottom on 10% residue)	% (m/m)	-	0.20	0.10
Distillation recovery at 250°C	% (v/v)	-	65	42
at 350°C	% (v/v)	85	-	92
Flash point (PMCC)	°C	56	-	>62
Water content	mg/kg	-	200	<100
Particulate content	mg/kg	-	24	<10
Ash content	% (m/m)	-	0.01	<0.001
Sulphur content	% (m/m)	-	0.002	<0.0015
Copper corrosion (3 hrs at 50°C)	Class	-	1	1a
Cold filter plugging point(1) Summer	°C	-	-4	-8
Winter	°C	-	-12	-15
Cetane number		45	-	52
Fatty acid methyl ester (FAME)	% (v/v)	-	7.0	<0.1



Parameter	Unit	Minimum	Maximum	Typical
Carbon	% (m/m)	-	-	87
Hydrogen	% (m/m)	-	-	12.75
Nitrogen	% (m/m)	-	-	0.01 – 0.05
Gross specific energy	MJ/kg	-	-	45.4
	MJ/litre	-	-	38.8
Mean specific heat capacity over 0 - 100°C	KJ/kg°C	-	-	2.05
Volume correction factor	per °C	-	-	0.00081
Lubricity (HFRR)	µm	-	460	<460

Notes:

1. Unless otherwise advised the following seasonal dates apply at point of sale:-
Summer: 16th March – 14th November / Winter: 15th November – 15th March

The above are typical figures and we reserve the right to alter the specification without notice. Nothing on this specification constitutes a guarantee

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