



Product

Ultra Low Sulphur Gas Oil

Appearance

Clear and bright liquid
Red Colour

Specification

BS EN 590 & BS 2869*

* Meets BS EN 590 & BS 2869 latest edition and in addition contains chemical markers and dye in accordance with HM Revenue and Customs requirements. The dye gives the product a red colour. *Carries a lower rate of duty than ULS Diesel.*

Application

Used in modern diesel vehicles for off highway applications, trains, industrial and commercial boilers/furnaces, Stationary engines and light duty to medium speed marine applications.

Quality Data

Parameter (BS-Methods)	Units	BS or HM Revenue & Customs Limit		Typical
		Min	Max	
Cetane Number		51	-	53
Density @15 °C	kg/m ³	820	-	839.2
Sulphur Content				
At point of manufacture	mg/kg	-	10	9.5
At final point of distribution	mg/kg		20	-
Flash Point	°C	56	-	61
Carbon Residue (on 10% distillation residue)	% (m/m)	-	0.3	0.0
Ash Content	% (m/m)	-	0.01	0.001
Water Content	mg/kg	-	200	75
Particulate Content	mg/kg	-	24	4.3
Copper Strip Corrosion	rating	Class 1		Class 1
Oxidation Stability	g/m ³	-	25	1.8
Lubricity, corrected wear scar diameter (wsd 1.4 @ 60 °C)	µm	-	460	275.7
Viscosity @40 °C	mm ²	2.0	5.0	2.4
Strong Acid Number	mg KOH/g	-	0	0
FAME Content	%	-	7.0	0.0
Oxidation stability				
0.0 - 7.0% FAME	g/m ³	-	25	1.8
2.0 - 7.0% FAME	h	20	-	NA
Cloud Point				
Summer	°C	-	-	0 (S)
Winter	°C	-	-	-5 (W)
CFPP				
Summer	°C	-	-5	-9 (S)
Winter	°C	-	-15	-19 (W)
Filter Blocking Tendency (applicable 1 Nov- 15 March)			2.52	1.5
Distillation				
% (v/v) recovered @ 250 °C	% v/v	-	65	42.3
% (v/v) recovered @ 350 °C	% v/v	85	-	102

Seasonality Dates

Grade	Deliveries to Consumer
W Winter Grade	16 November to 15 March
S Summer Grade	16 March to 15 November

Additional Technical Information

		Units	Diesel
Specific Energy	Gross	MJ/kg	45.66
	Net	MJ/kg	42.85

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