



Esso Energy Diesel

Marketing Technical Bulletin

Product

Esso Energy Diesel

Appearance

Clear liquid. Pale straw/yellow in colour

Specification

BS EN 590*

* Esso Energy Diesel also complies with the Motor Fuel Regulations 1999 and HM C&E requirements for ULS Diesel.
 Full rate of duty is applicable.

Esso Energy Diesel contains a powerful detergent to help clean and protect your engine and an anti-foaming agent for a faster cleaner fill.

Application - Retail

High quality fuel for use in modern diesel road vehicles.

Quality Data

Parameter (BS-Methods)	Units	BS or HM Customs & Excise Limit		Esso Typical
		Min	Max	
Cetane Number		51.0	-	52
Cetane Index		46.0	-	53
Density @15°C	kg/m ³	820	845	832
Polycyclic aromatic hydrocarbons	% mass	-	11	3
Sulphur Content	mg/kg	-	10	9
Flash Point	°C	> 55	-	65
Carbon Residue (on 10% distillation residue)	% (m/m)	-	0.3	0.0
Ash Content	% (m/m)	-	0.01	0.006
Water Content	mg/kg	-	200	59
Total Contamination	mg/kg	-	24	3
Copper Strip Corrosion	rating	Class 1		Class 1
Oxidation Stability	g/m ³	-	25	6
Lubricity, corrected wear scar diameter (wsd 1.4 @ 60°C)	µm	-	460	324
Viscosity @40°C	mm ²	2.0	4.5	2
Cloud Point				
Summer	°C	-	-	-12 (S)
Winter	°C	-	-	-13 (W)
CFPP				
Summer	°C	-	-5	-15 (S)
Winter	°C	-	-15	-22 (W)
Distillation				
% (v/v) recovered @ 250°C	% v/v	-	<65	33
% (v/v) recovered @ 345°C	% v/v	95	-	98
95% (v/v) recovered	°C	-	345	330

Seasonality Dates

Grade	Ex Service Station
W Winter Grade	22 October to 15 March
S Summer Grade	16 March to 21 October

Additional Technical Information

	Units	Esso Diesel
Specific Energy	Gross	46.08
	Net	43.23

Specific Energy calculated using BS2869

'Typicals' are expected qualities based on recent historical production data and should therefore not be considered a guarantee of quality

For Health & Safety information refer to the most current version of the product MSDS