



## Sulphur Free Diesel BS EN 590:2009

Property	Units	Limits		Test Method (Note 1)
		Min	Max	
Appearance		Clear and bright, free from visible sediment and water		Visual
Colour		-	2,5	D1500 / IP 196
Odour		Merchantable		
Density @15°C	kg/m <sup>3</sup>	820,0	845,0	ASTM D4052
<b>Cold Filter Plugging Point</b>				BS EN 116 - IP 309
Winter	°C (Note 2)	-	-15	
Summer	°C (Note 2)	-	-5	
<b>Cloud Point</b>				BS EN 23015
Winter	°C (Note 2)	-	-5	
Summer	°C (Note 2)	-	3	
Flash Point (PMCC)	°C	56	-	BS EN 22719 - ASTM D93
Cetane Number		51	-	BS EN ISO 5119
Cetane Index		46	-	BS EN ISO 4264
Viscosity at 40°C	cSt	2,0	4,5	BS EN ISO 3104
Polycyclic Aromatic Hydrocarbons	% Wt	-	11,0	IP 391:1995
Sulphur	mg/kg	-	10,0	BS EN ISO 20846 / 20847 & 20884
Copper Corros'n	3hr @ 50°C	-	1,0	BS EN ISO 2160
Micro Carbon Residue:				
Residue Wt on 10% bottoms		-	0,3	BS EN ISO 10370
Ash	% Wt	-	0,01	BS EN ISO 6245
Particulate Matter	mg/kg	-	24	BS EN 12662
Water	mg/kg	-	200	BS EN ISO 12937
<b>Distillation C</b>				
% Vol Rec @ 250°C		-	65	
% Vol Rec @ 350°C		85	-	
95% Vol Recovered	°C	-	360	
Oxidation Stability	mg/100ml	-	2,5	BS EN 12205
Lubricity, Corrected Wear Scar				
Diameter	60°C	-	460	BS EN ISO 12156-1
Conductivity	pS/m	50	-	IP 274
FAME (Note 3)	%Vol	-	7,0	BS EN 14078
<b>Notes</b>				
1. Latest test methods or technical equivalent used.				
2. Unless otherwise advised the following seasonal dates apply: Summer: 16/03 - 15/10 (terminals), Summer: 16/03 - 15/11 (retail sites), Winter: 16/11 - 15/03				
3. Fatty acid methyl ester (FAME) meeting EN 14214:2008				