



## Sulphur Free Diesel BS EN 590:2013

Table 1 - Generally APPLICABLE REQUIREMENTS AND TEST METHODS FOR AUTOMOTIVE DIESEL FUEL

Property	Units	Limits		Test Method (Notes)
		Min	Max	
Appearance		Clear and bright, free from visible sediment and water		Visual
Density @15°C	kg/m <sup>3</sup>	820.0	845.0	EN ISO 3675 / EN ISO 12185
Flash Point	°C	55	-	EN ISO 2719
Cetane Number		51	-	EN ISO 5165 / EN 15195 & 16144
Cetane Index		46	-	EN ISO 4264
Cold Filter Plugging Point				EN116 EN16329
Winter	°C note 2	-	-15	
Summer	°C note 2	-	-5	
Viscosity at 40°C	mm <sup>2</sup> /s	2.000	4.500	EN ISO 3104
Polycyclic Aromatic Hydrocarbons	% (m/m)	-	8.0	EN 12916
Sulphur Content	mg/kg	-	10.0	EN ISO 20846 / 20884 / 13032
Copper Strip Corrosion (3hr @ 50°C)	rating	-	Class 1	EN ISO 2160
Carbon Residue : (on 10% Distillation Residue)	% (m/m)	-	0.30	EN ISO 10370
Ash Content	% (m/m)	-	0.01	EN ISO 6245
Total Contamination	mg/kg	-	24	EN 12662
Water Content	mg/kg	-	200	EN ISO 12937
Manganese Content	until from			
2013-12-31			6.0	
2014 to 01-01 onwards	mg/l	-	2.0	prEN 16576
Distillation				EN ISO3405
% (V/V) Recovered at 250°C	% (V/V)		< 65	EN ISO 3924
% (V/V) Recovered at 350°C	% (V/V)	85		
95% (V/V) Recovered at	°C		360	
Oxidation Stability	g/m <sup>3</sup>		25	EN 12205
	h	20		EN 15751
Lubricity, Corrected Wear Scar Diameter (WSD 1,4) at 60 °C	µm	-	460	EN ISO 12156-1
Fatty Acid Methyl Ester (FAME)	% (V/V)	-	7.0	EN 14078
Filter blocking tendency		-	2.52	IP 387, procedure B only

### Notes

1. Latest test methods or technical equivalent used.
2. Unless otherwise advised the following seasonal dates apply:  
 Summer (Grade C) terminal: 16/03 - 15/10, Winter (Grade E) terminal: 16/10 - 15/03  
 Summer (Grade C) retail site: 16/03 - 15/11, Winter (Grade E) retail site: 16/11 - 15/03
3. Fatty acid methyl ester (FAME) meeting EN 14214:2012

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