

**SULPHUR FREE DIESEL EN590**

	Unit	MIN	MAX	Test method	
Appearance	Clear and bright			Visual	
Density at 15°C	kg/m <sup>3</sup>	820,0	845,0	EN ISO 3675	
Cetane	Cetane number	51,0	-	EN ISO 5165	
	Cetane index	46,0	-	EN ISO 4264	
Flash Point	°C	60	-	EN ISO 2719	
Sulphur	mg/kg	-	10,0	EN ISO 20846	
Ash content	% m/m	-	0,01	EN ISO 6245	
Water content	mg/kg	-	200	EN ISO 12937	
Total contamination	mg/kg	-	24	EN 12662	
Polycyclic aromatic hydrocarbons	%m/m	-	8,0	EN 12916	
Lubricity, corrected wear scar diameter (wsd 1,4) at 60°C	µm	-	460	EN ISO 12156-1	
Carbon residue (on 10% distillation residue)	% m/m	-	0,30	EN ISO 10370	
Copper strip corrosion – (3 Hrs @ 50°C)	Rating	Class 1		EN ISO 2160	
Fatty Acid Methyl Ester (FAME) content	% V/V	-	7,0	EN 14078	
Oxidation stability	g/m <sup>3</sup>	-	25	EN ISO 12205	
Viscosity at 40°C	mm <sup>2</sup> /s	2,00	4,50	EN ISO 3104	
CFPP	Winter	°C	-	-15	EN 116 <sup>2</sup>
	Summer	°C	-	-5	EN 116 <sup>2</sup>
Cloud Point	Winter	°C	-	-5	EN 23015 <sup>2</sup>
	Summer	°C	-	+3	EN 23015 <sup>2</sup>
<b>Distillation:</b>					
% (V/V) recovered at 250°C	% V/V	-	<65	EN ISO 3405	
% (V/V) recovered at 350°C	% V/V	85	-	EN ISO 3405	
95 (V/V) recovered at	°C	-	360	EN ISO 3405	

**Notes:**

- This specification meets or exceeds EN 590: 2009 +A1:2010.
- The seasonal periods are:-
 

Deliveries from terminals  
 Winter period: 16<sup>th</sup> October to 15<sup>th</sup> March  
 Summer period: 16<sup>th</sup> March to 15<sup>th</sup> October

Sales from retail pumps  
 Winter period: 15<sup>th</sup> November to 15<sup>th</sup> March  
 Summer period: 16<sup>th</sup> March to 15<sup>th</sup> November
- FAME if added will meet EN14214