

## Product Specification Sheet - Diesel B7

### 1. Product Details

<b>Product</b>	Automotive Fuels – Diesel
<b>Applicable Standards:</b>	BS EN 590:2013+A1:2017
<b>Use:</b>	In diesel engine vehicles to run on automotive diesel fuel
<b>Notes:</b>	1. Visual appearance should be clear and bright and free from undissolved water 2. The Summer and Winter dates specified below apply to diesel being delivered from our fuel terminals 3. Performance additives are added as per agreement at the fuel terminal

### 2. Specification

Property	Unit	Limits		Test method
		Minimum	Maximum	
Cetane number		51.0	-	EN ISO 5165 EN 15195 EN 16144 EN 16715
Cetane Index		46.0	-	EN ISO 4264
Density at 15°C	kg/m <sup>3</sup>	820.0	845.0	EN ISO 3675
Polycyclic aromatic hydrocarbons	% (m/m)	-	8.0	EN ISO 12916
Sulfur content	mg/kg	-	10.0	EN ISO 20846 EN ISO 20884 EN ISO 13032
Maganese content	mg/l	-	2.0	EN ISO 16576
Flashpoint	°C	55	-	EN ISO 2719
Carbon residue (on 10% distillation residue)	% (m/m)	-	0.30	EN ISO 10370
Ash content	% (m/m)	-	0.010	EN ISO 10370
Water content	% (m/m)	-	0.020	EN ISO 12937
Total contamination	mg/kg	-	24	EN 12662
Copper strip corrosion (3h at 50°C)	rating	Class 1		EN ISO 2160
Fatty Acid Methyl ester (FAME) content	% (v/v)	-	7.0	EN 14078
Oxidation stability For diesel fuel containing FAME >2% (v/v)	g /m <sup>3</sup> h	- 20	25 -	EN ISO 12205 EN 15751
Lubricity, wear scar diameter (WSD) at 60°C	um	-	460	EN ISO 12156-1
Viscosity at 40°C	Mm <sup>2</sup> /s	2.0	4.50	EN ISO 3104
Distillation % (v/v) recovered at 250°C % (v/v) recovered at 350°C 95% (v/v) recovered at	% (v/v) % (v/v) °C	85	< 65 360	EN ISO 3405 EN ISO 3924
Cloud Point Summer (16 March - 31 October)	°C		3	
Cloud Point Summer (01 November - 15 March)	°C		-5	
Cold Filter Plugging Point Summer (16 March - 31 October)	°C		-5	
Cold Filter Plugging Point Winter (01 November - 01 March)	°C		-15	
Ambient Filter Blocking Tendency (Winter)			2.52	IP 387