



# PRODUCT SPECIFICATION SHEET

## GASOIL



### 1. PRODUCT DETAILS

<b>Product:</b>	Automotive distillate fuel for non-road mobile machinery
<b>Applicable Standards:</b>	BS EN 2869:2017 Class A2
<b>Use:</b>	In stationary diesel engines and diesel engine vehicle in duty-rebated operations, such as agricultural and off highway. Can also be used as a heating oil for small furnaces and boiler applications. Dyed and marked
<b>Notes:</b>	<ol style="list-style-type: none"> <li>Sulfur measurements include HMRC approved marker</li> <li>The Summer and Winter dates specified below apply to diesel being delivered from our fuel terminals</li> <li>Performance additives are added as per agreement at the fuel terminal</li> </ol>

### 2. SPECIFICATION

PROPERTY	UNIT	LIMITS		TEST METHOD
		MINIMUM	MAXIMUM	
Kinematic viscosity at 40 °C	mm <sup>2</sup> /s	2.00	5.00	BS EN ISO 3104
Density at 15 °C	kg/m <sup>3</sup>	820.0	-	BS EN ISO 12185 BS EN ISO 3675
Cetane Number	-	45.0	-	EN ISO 5165 EN 15195 EN 16144 EN 16715
Cetane Index	-	45.0	-	BS EN ISO 4264
Carbon Residue (on 10% Distillation Residue)	% (m/m)	-	0.30	BS EN ISO 10370
Distillation:				
Recovery at 250 °C	% (v/v)	-	65	BS EN ISO 3405
Recovery at 350 °C	% (v/v)	85	65	BS EN ISO 3924
Flashpoint	°C	> 55.0	-	BS EN ISO 2719
Water Content	% (m/m)	-	0.020	BS EN ISO 12937
Particulate Content	mg/kg	-	24	BS EN 12662
Ash Content	% (m/m)	-	0.01	BS EN ISO 6245
Sulfur Content	mg/kg	-	-	BS EN ISO 20846 or BS EN ISO 20884 BS EN ISO 13032
at manufacture	-	-	10.0	
At point of final distribution to end users	-	-	20.0	
Manganese Content	Mg/l	-	2.0	BS EN 16576
Copper corrosion (3h at 50°C)	Rating	Class 1		EN ISO 2160
Cold Filter Plugging Point (CFPP) (16 March – 15 November)	°C		-4	BS EN 116 BS EN 16329
Cold Filter Plugging Point (CFPP) (16 November to 15 March)	°C		-12	
Strong Acid Number	mg KOH/g	-	Zero	ISO 6618
Lubricity, wear scar diameter (WSD) at 60°C	um	-	460	BS EN ISO 12156-1
Oxidation stability:				
0.0% (v/v) – 7.0% (v/v) FAME	g/m <sup>3</sup>	-	25	BS EN ISO 12205
2.0% (v/v) – 7.0% (v/v) FAME	h	20	-	BS EN 15751
Fatty Acid Methyl ester (FAME) content	% (v/v)	-	7.0	EN 14078
Oxidation stability	g/ m <sup>3</sup>	-	25	EN ISO 12205
For diesel fuel containing FAME > 2% (v/v)	h	20	-	EN 15751