PRODUCT SPECIFICATION SHEET
GASOIL (<0.05% FAME)

1. PRODUCT DETAILS

Product:	Automotive distillate fuel for non-road mobile machinery
Applicable Standards:	BS EN 2869:2017 Class A2
Use:	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
Notes:	1. Sulfur measurements include HMRC approved marker 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. SPECIFICTION

PROPERTY	UNIT	LIMITS		TEST METHOD
		MINIMUM	MAXIMUM	
Kinematic viscosity at 40 °C	mm2/s	2.00	5.00	BS EN ISO 3104
Density at 15 °C	kg/m3	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/m3	-	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)	-	<0.05	
Oxidation stability For diesel fuel containing FAME > 2% (v/v)	g/ m3 h	- 20	25 -	EN ISO 12205 EN 15751