



Gas oil

Product: Sulphur Free gas oil (marked and red dyed)	Applicable standards: BS EN 590: 2022	Use: In diesel engines designed to run on automotive diesel fuel, for fuel duty rebased uses (note 7)	
Sales specification	Units	Minimum	Maximum
Cetane number	-	51.0	-
Cetane index	-	46.0	-
Density at 15°C	kg/m³	820.0	845.0
Winter (1 November – 15 March)	kg/m³	815.0	
Polycyclic aromatic hydrocarbons (note 2)	% (m/m)	-	8
Sulphur content	mg/kg	-	10.0
Flash point (PMCC)	°C	55	-
Carbon residue (on 10% distillation residue)	% (m/m)	-	0.30
Ash content	% (m/m)	-	0.01
Water content	mg/kg	-	200
Total contamination	mg/kg	-	24
Copper corrosion (3h at 50°C)	rating	-	Class 1
Fatty acid methyl ester content	% (v/v)		7.0
Oxidation stability	g/m³		25
Rancimat if FAME > 2%	hrs	20	-
Lubricity, corrected wear scar diameter at 60°C	Micron	-	460
Viscosity at 40°C	mm²/s	2.0	4.50
Strong acid	mgKOH/g	-	nil
Cloud point			
Summer (16 March – 31 October)	°C	-	3
Winter (1 November – 15 March)	°C	-	-5
Distillation characteristics			
Recovered at 250°C	% (v/v)	-	<65
Recovered at 350°C	% (v/v)	85	-
95% point	°C	-	360
Cold filter plugging point			
Summer (16 March – 31 October)	°C	-	-5
Winter (1 November – 15 March)	°C	-	-15

Additional Information

1. Visual appearance should be clear and bright and free from undissolved water.
2. Polycyclic aromatic hydrocarbons are defined as the total aromatic hydrocarbon content less the mono-aromatic hydrocarbon content.
3. Fatty Acid Methyl Ester (FAME) meeting EN14214.
4. The Summer and Winter dates specified above apply to to diesel being delivered from our import depots.
5. Performance additives (detergent, anti-foam etc.) added as necessary at depots.
6. Health, Safety and Environmental information is given on Material Safety Data Sheet.
7. Duty rebated uses defined in HMR&C Excise Note 75.

All Greenenergy fuels are designed for optimum operating and emissions performance.
For further information phone 020 7404 7700.