



Gas Oil or Red Diesel

Product	British Standard	Application
Gas Oil	BS 2869 Part 2 Class A2 & D	A dyed and marked product used for small furnaces and boiler applications, stationary diesel engines and untaxed diesel engine vehicles.

Product	Units	Gas Oil	
		Min	Max
Marketing Specification			
Density @ 15 C	kg/m ³	820	845
Flash Point (Pensky-Martens)	°C	56	-
Kinematic Viscosity @ 40 C	mm ² /s	1.5	5.5
Cold Filter Plugging Point			
Summer (16 March - 30 September)	°C	-	-5
Winter (15 November - 15 March)	°C	-	-15
Cloud Point			
Summer (16 March - 30 September)	°C		3
Winter (15 November - 15 March)	°C		-5
Total Sulphur	% m/m		0.001
Carbon Residue (10% dist residue)	% m/m		0.2
Strong Acid Residue	mg KOH/g		Nil
Total Acid Number	mg KOH/g		0.5
Ash	% m/m		0.01
Water	mg/kg		200
Sediment by Extraction	% m/m		0.01
Copper Corrosion (3hrs @ 100 C)			1
Cetane Number or Cetane Index		51 45	
Distillation			
50% Evaporated	°C	240	310
Recovered at 350 C	% v/v	85	
F.A.M.E.	%/vol		7

Useful Information

Typical Gross Calorific Value is 38.7 MJ/l and Net Calorific Value of 36.3 MJ/l

Conductivity between 50 - 550 pSm

HMC&E require this grade to be marked with 1.75kg Quinizarin, 4kg of CI solvent Red and 6kg of solvent yellow 124 to every 1,000,000 litres of oil (1 part by vol Gas Oil Marker Concentrate - Euromarker to 1000 of Gas Oil).