

# FUEL OILS

## SPECIFICATION DATA SHEET

### Gas Oil

Gas Oil is a distillate fuel manufactured to give clean burning, maximum heat output and efficient combustion in boilers and off-road diesel engines. It is a 'rebated' gas oil, (reduced rate of excise duty) and as such is dyed red and contains chemical markers in accordance to Customs and Excise requirements, to prevent its use as a fuel in road vehicles.

Gas Oil exceeds the latest requirements of relevant British Standard Specification BS 2869 Class A2. Fuel properties are seasonally adjusted to maintain good low temperature operability.

	MINIMUM	MAXIMUM	TYPICAL
Appearance	Clear		Clear
Water Content, PPM	-	200	55
Density @ 15 ° C, kg/m <sup>3</sup>	820	-	866
Cetane Number	45	-	46
Strong Acid Number	Zero	Zero	Zero
Filterability (CFPP) °C Winter	-	-12	-14
Filterability (CFPP) °C Summer	-	-4	-9
Viscosity, Kinematic @ 40 °C, mm /s (cSt)	2.0	5.5	3.4
Sulphur, % Wt	-		
At manufacture		0.01	
At point of final distribution to end users		0.02	
Copper Corrosion, 3 hours @ 50 °C	-	Class 1	Class 1
Flash Point, (Closed Cup, PM) °C	55	-	80
Carbon Residue, on 10% distillation residue, % Wt	85.0	30	12
Sediment, % Wt	-	0.01	<0.01
Ash Content, % Wt	-	0.01	<0.01
<b>Distillation Characteristics</b>			
% Volume Recovered @ 250° C	-	65	30
% Volume Recovered @ 350° C	85	-	95
<b>GROSS CALORIFIC VALUES</b>			
KW/hr/1			10.93
MJ/l			39.30
Kcal/kg			10891
Oxidation Stability			
0.0%-7.0% FAME g/m <sup>3</sup>		25	
2.0%-7.0% FAME h	20		
Fatty acid methyl ester (FAME) content % (VN)		7.0	