



October 2010

**GAS OIL – Sulphur-free BS 2869:2010 - Class A2 #**

**Is available from the major Marinas on the River Trent & BW West Stockwith**

PROPERTY	Unit	QUALITY REQUIREMENT		Test Method
		Min	Max	
Density @ 15° C	kg/m <sup>3</sup>	820.0	875.0	BS EN ISO 12185
Appearance	Visual	Clear & Bright, Dyed red <sup>##</sup>		ASTM D 4176
Viscosity @ 40°C	mm <sup>2</sup> /s	2.0	5.0	BS EN ISO 3104
Distillation				BS EN ISO 3405
Rec. @ 250°C	% Vol		65	
Rec. @ 350°C	% Vol	85		
Flash Point	°C	56		BS EN 2719
Sulphur	mg/kg		10	BS EN ISO 20846
Copper Corrosion	rating		1	BS EN ISO 2160
CFPP	°C		- 4 Summer <sup>###</sup> - 12 Winter <sup>###</sup>	BS EN 116
Cetane Index (or)		45		BS EN ISO 4264
Cetane Number		45		BS EN ISO 5165
Ash	% m/m		0.010	BS EN ISO 6245
Water	mg/kg		200	BS EN ISO 12937
Particulates	mg/l		24	IP 415
Carbon Residue: (10% )	% m/m		0.30	BS EN ISO 10370
FAME <sup>####</sup>	% V/V		7.0	BS EN 14078
Oxidation Stability				
0.0% - 7.0% FAME	g/m <sup>3</sup>		25	BS 2000:388
2.0% - 7.0% Fame	hours	20		BS EN 15751
Strong Acid Number	Mg KOH/g		Zero	BS ISO 6618
Lubricity wsd @ 60°C	µm		460	BS 2000: 450
Calorific Value				BS 2869: Annex C
Gross	MJ/KG	45.44	46.26	
Net	MJ/KG	42.73	43.37	

**#** This product will always comply with the provisions for non-road mobile machinery of the Motor Fuel (Composition and Content) Regulations, 2010. This fuel is fully compatible with the requirements of BS 2869: Class D for stationary applications.

**##** This product contains HMRC fiscal markers and dye.

**###** Winter Grade (W) available ex Terminal from 16<sup>th</sup> November to March 15<sup>th</sup> inclusive.

**####** This product will typically be "FAME-free" (< 0.1% by mass of Fatty Acid Methyl Esters)