

24/05/2024

Premium Boiler Heat (PBH) is a blend of petroleum fractions and performance additive which provides a more economical alternative to BS2869 Class D Gas Oil for burning applications. PBH can only be used in a heating application it is not to be used as a fuel for any engine, motor or other machinery. PBH has the same calorific value and physical properties as Gas Oil.

Property	Unit	Min	Max	Test Method	Typical
Appearance	Visual	Clear bright		D 4176	Clear and bright
Kinematic viscosity at 40 C	Mm ² /s	1.7	6	IP 71	3
Density at 15C	Kg/m ³	820		IP 365	832
Carbon residue micro	%(m/m)		0.3	ASTM D 4530	<0.01
Flash point	C	45		IP 34	55
Water content	%(m/m)		0.02	IP 438	<0.02
Particulate content	Mg/kg		24	IP 415	<5
Ash content	%(m/m)		0.01	IP 4	<0.001
Silicon content	%(m/m)		0.0001	IP 336	<0.0001
Sulphur content	%(m/m)		0.1	IP 336	0.03
Copper corrosion (3h at 50C)	class		1	BS EN ISO 2160	1
Cold filter plug summer	C		-4	IP 309	-12
Cold filter plug winter	C		-12	IP 309	-12
Lubricity at 60c WSD	um		460	BS 2000-450	340

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FUEL OILS

Additional Data

Equivalent to MJ / kg of CO ₂ produced	14.4 MJ / kg CO ₂
Gross specific Energy (calorific value)	
MJ / kg of Oil	45.2
MJ / litre of Oil	37.4
Net specific Energy (calorific value)	
MJ / kg of Oil	42.6
MJ / litre of Oil	35.2