Crown Oil
Fuels and Lubricants

Industrial Heating Oil

Description

Industrial Heating Oil is a blend of petroleum fractions and performance additives which provides a more economical alternative to BS2869 Class D Gas Oil for burning applications.

Features & Benefits

- Compatible with BS2869 Class D – British Standard for heating oil
- Same calorific value as Gas Oil – same heat output for less money
- Same physical properties as Gas Oil – no burner modifications required
- Totally miscible with Gas Oil – no need to empty fuel tanks before changing to IHO
- Low CFPP/pour point – allows year round summer/winter performance
- Reduced sulphur content – lowers acidic flue gas emissions by up to 50%
- Contains multifunctional additive – provides fuel system cleanliness & corrosion
- protection, reduced emissions and combustion chamber deposit control
- Light colour, low odour, sediment free – much cleaner than some commercially available products

Applications & Limitations

Industrial Heating Oil is specifically intended for use in commercial boiler applications for heat generation. It typically finds application in large public buildings, hospitals, schools, factories, hotels, distilleries, quarries, grain dryers.

Industrial Heating Oil is a fully rebated product (nil excise duty) and is therefore strictly prohibited for use in both on and off road vehicles or any other mobile or static engines.

Specification

Parameter	Unit	Minimum	Maximum	Typical
Appearance	-	Clear & bright Pale yellow Free from visible sediment	-	Pass
Density at 15°C	kg/m³	0.820	-	0.830
Kinematic viscosity at 40°c	mm²/s	1.50	5.0	2.4
Carbon residue (Ramsbottom on 10% residue)	% (m/m)	-	0.30	<0.30
Flash point (PMCC)	°C	45	-	58
Water content	mg/kg	-	200	100
Particulate content	mg/kg	-	10	<10
Ash content	% (m/m)	-	0.01	<0.01
Sulphur content	% (m/m)	-	0.10	0.05
Copper corrosion (3hrs at 50°C)	Class	-	1	1
Cold filter plugging point Summer Winter	 °C °C	-	 -4 -12	 -25 -25
Strong acid number	mgKOH/g	-	nil	nil
Oxidation stability	g/m³	-	25	<25
Fatty acid methyl ester (FAME)	% (v/v)	-	-	None added
Gross calorific value	MJ/kg MJ/litre	- -	- -	46.00 38.00
Lubricity at 60°C (HFRR)	µm	-	460	300