

A2 GRADE FUEL OIL SPECIFICATIONS

Parameter	Unit	Minimum	Maximum	Typical
Appearance	Clear & bright, pale yellow, free from visible sediments			
Ash content	% (m/m)	–	0.01	<0.001
Carbon	% (m/m)	–	–	87
Carbon residue(Ramsbottom on 10% residue)	% (m/m)	–	0.3	0.1
Cetane number	–	45	–	48
Cold filter plugging point(1) Summer	°C	–	-4	-8
Cold filter plugging point(1) Winter	°C	–	-12	-14
Copper corrosion(3 hrs at 50°C)	Class	–	1	1a
Density at 15°C	kg/m³	0.82	–	0.86
Distillation recovery at 250°C	% (v/v)	–	65	42
Distillation recovery at 350°C	% (v/v)	85	–	92
Fatty acid methyl ester (FAME)	% (v/v)	–	7	<0.1
Flashpoint (PMCC)	°C	56	–	>62
Gross specific energy (MJ/kg)	MJ/kg	–	–	45.4
Gross specific energy (MJ/litre)	MJ/litre	–	–	38.8
Hydrogen	% (m/m)	–	–	12.75
Kinematic viscosity at 40°C	mm²/	1.5	5.5	3
Lubricity (HFRR)	µm	–	460	<460
Mean specific heat capacity over 0 – 100°C	KJ/kg °C	–	–	2.05
Nitrogen	% (m/m)	–	–	0.01 – 0.05
Oxidation stability 0.0 – 7.0% FAME	g/m³	–	25	–
Oxidation stability 2.0 – 7.0% FAME	h	20	–	–
Particulate content	mg/kg	–	24	<10
Strong acid number	mg KOH/g	–	nil	nil
Sulphur conten	% (m/m)	–	0.002	<0.098
Volume correction factor	per °C	–	–	0.00081
Water content	mg/kg	–	200	<100

What Do We Offer?

- White Diesel
 - Kerosene Oil
 - HVO Fuel
 - Biodiesel
 - CHP Biofuel
 - Home Heating Oil
 - Ancillary Products
 - Red Diesel
 - FAME Biodiesel
 - Industrial Lubricants
- Industrial Heating Oil
 - Carbon Offset Red Diesel
 - Marine Lubricants
 - Industrial Lubricants
 - Marine Gas Oil
 - Marine Diesel Oil
 - Hydraulic Oil
 - Premium Paraffin
 - Peat Briquettes
 - AdBlue

Our Services

- Emergency Oil Delivery
 - Environmental Services
 - Fuel Management
 - Fuel Polishing
 - Fuel Uplift Service
 - Fuel Monitoring
 - Nationwide Fuel Delivery
 - Fuel Tank Telemetry
- Oil Tank Installation
 - Domestic Oil Tank Removal
 - Industrial Tank Cleaning
 - Marine Tank Cleaning
 - Oil Tank Replacement
 - Oil Tank Cleaning
 - Tank Inspection
 - Tank Decommissioning
- Diesel Fuel Tank Cleaning
 - Fuel Tank Telemetry
 - Construction Site Fuel Delivery
 - Technical Support
 - Priority Contracts
 - Waste Oil Collection
 - Fuel Pump Repair
 - Fuel Testing

About 123 Oil

123 Oil has a staggering experience of over 5 decades in delivering top-of-the-market fuel and oil related services to its clients. We stand apart from our competitors due to:

- Diverse and exceptional services
- Expert and knowledgeable team
- Agile and efficient logistics
- Fair and competitive prices
- Honest and clear communication

