



# TECHNICAL DATA SHEET

## PRODUCT DESCRIPTION

The FuelBox is a superior quality Gas Oil, enhanced with a unique, specially formulated additive system Gas Oil 10 Plus to accomplish outstanding performance over conventional Red Diesel/Gas Oil.

Conveniently pre-packed in a 20 Litre UN approved bag in box system.

## APPLICATION

Suitable for all OFF ROAD Diesel engines:

- 🔴 Plant/Machinery Equipment
- 🔴 Agricultural machinery including modern machines calibrated to EN590
- 🔴 Diesel engines fitted with DPF, EGR and SCR systems
- 🔴 Power generators
- 🔴 Marine Diesel boat engines
- 🔴 Oil fired heating systems (requiring 35 sec burning oil)

## BENEFITS

- 🔴 Improved Cetane rating
- 🔴 Reduces deposit and varnish build-up
- 🔴 Improves combustion efficiency
- 🔴 Improved fuel consumption
- 🔴 Reduced visible emissions (smoke)
- 🔴 Protects against premature wear in fuel pumps and injectors
- 🔴 Enhances the performance of older engines.
- 🔴 Contains demulsifiers to combat water build-up
- 🔴 Prevents emulsions forming and filter blockages
- 🔴 Improved storage stability
- 🔴 Reduces microbiological growth, preventing sludge build-up

Parameter (BS-Methods)	Units	BS or HM Revenue & Customs Limit		Gas Oil (10ppm) Typical	FUELBOX Gas Oil 10 Plus Typical
		Min	Max		
Cetane Number		45.0	-	50	53
Density @15°C	kg/m <sup>3</sup>	820	-	837	837
Sulphur Content					
At point of manufacture	mg/kg	-	10	9	9
At final point of distribution	mg/kg		20	-	-
Flash Point	°C	56	-	64	64
Carbon Residue (on 10% distillation residue)	% (m/m)	-	0.3	0.1	0.1
Ash Content	% (m/m)	-	0.01	0.00	0.0
Water Content	mg/kg	-	200	67	36
Particulate Content	mg/kg	-	24	5	5
Copper Strip Corrosion	rating	Class 1		Class 1	Class 1
Oxidation Stability	g/m <sup>3</sup>	-	25	2	2
Lubricity, corrected wear scar diameter (wsd 1.4 @ 60°C)	µm	-	460	285	230
Viscosity @40°C	mm <sup>2</sup>	2.0	5.0	2.4	2.4
Strong Acid Number	mg KOH/g	-	0	0	0
FAME Content	%	-	7.0	0.0	0
Oxidation stability					
0.0 - 7.0% FAME	g/m <sup>3</sup>	g/m <sup>3</sup>	25	2	2
2.0 - 7.0% FAME	h	h	-	n/a	n/a
CFPP					
Summer	°C	-	-4	-7 (S)	-15
Winter	°C	-	-12	-14 (W)	-19
Distillation					
% (v/v) recovered @ 250°C	% v/v	-	65	40	40
% (v/v) recovered @ 350°C	% v/v	85	-	98	98

The typical test data represented is intended as a guide and should not be considered as a specification or guarantee. The content of this Data Sheet is given in good faith but without warranty.

