

# FUEL OILS

## SPECIFICATION DATA SHEET

### U.L.S. Derv

Ultra Low Sulphur Diesel (ULSD) is a distillate fuel manufactured from selected crude oils and carefully blended to impart desirable performance related properties to the fuel, such as quick starting, smoke control and reduced particulates, whilst providing exceptional low temperature operation and protection from injector and pump wear.

ULSD is designed for use in both high and medium speed diesel engines. It exceeds the latest requirements of the relevant British and European Specification BS EN 590 and fully meets UK, Ultra Low Sulphur Diesel specification. Operating at low temperature can be maintained when fuel properties are seasonally adjusted.

	<b>MINIMUM</b>	<b>MAXIMUM</b>	<b>TYPICAL</b>
Appearance	Clear		Clear
Water Content, PPM	-	200	55
Density @ 15 ° C, kg/m <sup>3</sup>	820	835	-
Cetane Number	51	-	52
Strong Acid Number	Zero	Zero	Zero
Filterability (CFPP) °C Winter	-	-15	-12
Filterability (CFPP) °C Summer	-	-5	-94
Viscosity, Kinematic @ 40 °C, mm /s (cSt)	2.0	5.5	3.4
Sulphur, % Wt	-	.001	Trace
Copper Corrosion, 3 hours @ 50 °C	-	Class 1	Class 1
Flash Point, (Closed Cup, PM) °C	56	-	80
Carbon Residue, on 10% distillation residue, % Wt	85.0	30	12
Sediment, % Wt	-	0.01	<0.01
Ash Content, % Wt	-	0.01	<0.01
<b>Distillation Characteristics</b>			
% Volume Recovered @ 250° C	-	65	30
% Volume Recovered @ 350° C	85	-	85
<b>GROSS CALORIFIC VALUES</b>			
KW/hr/1			10.93
MJ/l			39.30
Kcal/kg			10891