

Fuel Oil Distributors

PROPERTIES OF ULS Derv

Ultra Low Sulphur Diesel meeting BSEN590

Major Properties

Specification Parameters	Test Method	Units	Limit	Guarantee	Typicals
Sulphur (IP373)	IP 373	ppm	max	50	20 - 50
Density (ASTM D 4052)	D 1298	Kg/m ³	min max	820 835	830 835
Distillation T95 (ASTM D86)	D86	%Vol	max	345	345

Other Properties

Specifications	Test Method	Units	Limit	Guarantee	Typicals
Appearance		Visual		Clear & Bright	Clear & Bright
Cetane Number	ISO 5165	Number	min	51	53
Cetane Index	ISO 4264	Calc.	min.	46	49
Lubricity	ISO 12156-1	microns	max.	460	200 - 300
Cloud Point	D 2500	Deg C	max	Winter -5 Summer +3	Winter -5 Summer +3
CFPP	IP 309	Deg C	max	Winter -15 Summer -5	Winter -15 Summer -5
Viscosity	IP 71	cSt	min max	2.0 4.5	2.0 4.5
Ash	ISO 6245	% mass	max.	0.01	0.01
Carbon Residue	IP 398	% mass	max.	0.3	0.3
Copper Corrosion	IP 154	Class	max.	1	1
Distillation Recovered 250°C	IP 123	Deg C	max.	65	65
Flash Point	ISO 2719	Deg C	min	57	60
Particulate Matter	DIN 51 419	mg/Kg	max.	24	24
Water	IP PM BR	mg/Kg	max.	200	< 100
Oxidation Stability	ASTM D2274)	g/m ³	max.	25	25
Polycyclic Aromatics	IP 391	% m/m	max.	11	4

Recommendations for the Storage of ULS Derv

Many of the problems which may arise during the storage of Diesel can easily be prevented by good housekeeping which should include:

- regular draining of tanks to remove water, so helping to prevent the possibility of microbiological contamination.
- periodic inspection of tanks for evidence of corrosion.
- periodic internal cleaning of tanks to remove any accumulated sludge.
- avoidance of translucent plastic tanks for storage purposes.