



OSS GROUP



NexGenTM

The next generation clean green fuel oil

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NexGenTM is a new, unique, recycled fuel oil, produced to the same BS 2869 specification as virgin fuels. Not only does it offer considerable savings over virgin fuel oils, it also helps conserve diminishing fossil fuels and provides the only real environmentally friendly alternative.

Low sulphur

NexGenTM is produced to maximum 0.65% sulphur with a typical sulphur content as low as 0.50%. It also has the benefit of higher calorific values and a pour point of -10, resulting in no requirement for tank or trace heating.

If used as an alternative to heavy, medium or light fuel oil it greatly reduces burner maintenance. It offers cleaner burning characteristics together with increased efficiency.

NexGenTM is the result of over two years of intensive research, development and investment by OSS in leading technologies designed to maximise the quality and environmental benefit of recovered/recycled fuels.

Originating from used hydrocarbons, NexGenTM is produced exclusively by OSS at our own UK refinery which utilises a full recovery operation in accordance with the Waste Framework Directive.

Small carbon footprint

For companies where environmental conservation is important, the use of this OSS fully recovered fuel is a major benefit. It creates a significantly smaller carbon footprint during production compared to virgin oils produced via a full distillation process.

NexGen™ Product specification

Property	Units	Limits	Typical
Ash Content*	% m/m	0.2 Max	0.15
Calorific Value - Gross	MJ/Kg	44.7 Max	43.5
Carbon Residue	% m/m	2.0 Max	1.8
Chlorine	Mg/Kg	150 Max	130
Flash Point	Deg C	66 Min	75
Pour Point	Deg C	-10 Upper	-40
Solids	% m/m	0.15 Max	0.1
Sulphur	% m/m	0.65 Max	0.50
Viscosity @ 40 Deg C	mm ² /s	28 - 45 Max	38
Viscosity @ 100 Deg C	mm ² /s	8.2 Max	7.5
Water	% m/m	0.50 Max	0.3

NexGen™ complies with BS2869. * Sulphated Ash

NexGen™ Comparison with virgin fuel oil alternatives

Property	Units	Limits				
		NexGen™	HFO	MFO	LFO	Gas Oil
Ash Content	% m/m	0.15	0.15	0.15	0.15	0.01
Calorific Value - Gross	MJ/Kg	43.5	43.10	42.50	44.00	42.50
Carbon Residue	% m/m	1.8	20.00	18.00	15.00	na
Flash Point (minimum)	Deg C	66.00	66.00	66.00	50.00	56.0
Solids	% m/m	0.10	0.15	0.15	0.15	0.01
Sulphur	% m/m	0.50	1.0	1.0	1.0	0.2
Viscosity @40 Deg C	mm ² /s	38.00	1010.00	300.00	45.00	5.50
Water content	% m/m	0.30	1.00	0.75	1.00	0.02

Some LFO grades comply with BS 2869 and have a flash point greater than 66 Deg C.

Many blended LFO fuels do not comply with a number of the BS parameters.

The max ash and solids content for LFO to BS2869 Class E is 0.1%

HFO: Heavy fuel oil. MFO: Medium fuel oil. LFO: Light fuel oil.



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The OSS Group

The OSS Group produces a range of recycled/recovered fuel oils including NexGen™ and RFO (Recovered Fuel Oil). The company also specialises in waste oil collection, hazardous waste collection, parts washers and other associated environmental products.

As Europe's leading provider of hazardous waste solutions, the company provides the most practical, cost effective and environmentally responsible solutions for the safe collection and recycling of a wide range of such materials.

The OSS Group can trace its history back over 30 years, initially focussing on waste oil collection and recycling. From this base the company expanded its range of services to cover the full spectrum of hazardous waste solutions, but with particular emphasis on the research and development of a new generation of fully recovered fuel oils which exceed the standards of "mere" recycling.

Continuous investment in innovative systems, new plant and technology is backed with the OSS commitment to provide customers with a first class service.

For all enquiries relating to NexGen™ please contact :-
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**Certificate No.
3136QMS001**



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