

## Specification: Diesel Oil EN590

<b>Product:</b> Sulphur Free Diesel	<b>Applicable standards:</b> EN 590:2013	<b>Use:</b> In diesel engine vehicles to run on automotive diesel fuel.
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SALES SPECIFICATION	UNITS	MIN	MAX
Cetane number	-	51.0	-
Cetane index	-	46.0	-
Density at 15 °C	kg/m <sup>3</sup>	820.0	845.0
Polycyclic aromatic hydrocarbons (note 1)	% (m/m)	-	8
Sulphur content	mg/kg	-	10.0
Flash point (PMCC)	°C	55	-
Carbon residue (on 10% distillation residue)	% (m/m)	-	0.30
Ash content	% (m/m)	-	0.01
Water content	mg/kg	-	200
Total contamination	mg/kg	-	24
Copper corrosion (3h at 50 °C)	rating	-	Class 1
Fatty acid methyl ester content	% (v/v)		7.0
Oxidation stability	g/m <sup>3</sup>		25
rancimat if FAME > 2%	hrs	20	-
Lubricity, corrected wear scar diameter at 60°C	Micron	-	460
Viscosity at 40°C	mm <sup>2</sup> /s	2.0	4.50
Strong Acid	mgKOH/g	-	nil
Cloud Point			
Summer (16 March - 31 October)	°C	-	3
Winter (1 November - 15 March)	°C	-	- 5
Distillation characteristics			
Recovered at 250 °C	% (v/v)	-	< 65
Recovered at 350 °C	% (v/v)	85	-
95% point °C	°C	-	360
Cold filter plugging point			
Summer (16 March - 31 October)	°C	-	- 5
Winter (1 November - 15 March)	°C	-	- 15
Filter Blocking Tendency (FBT)			
Winter (1 November - 15 March)	-	-	2.52

### Additional Information

1. Visual appearance should be clear and bright and free from undissolved water.
2. Polycyclic aromatic hydrocarbons are defined as the total aromatic hydrocarbon content less the mono-aromatic hydrocarbon content.
3. Fatty Acid methyl Ester (FAME ) meeting EN14214: 2012
4. The Summer and Winter dates specified above apply to diesel being delivered from our import depots.
5. Performance additives (detergent, anti-foam etc.) added as necessary at depots.
6. Health, Safety and Environmental information is given on Material Safety Data Sheet.