

## Diesel

**Product:**  
Sulphur Free Diesel

**Applicable standards:**  
BS EN 590: 2013 +A1:2017

**Use:**  
In diesel engine vehicles designed to run on automotive diesel fuel.

| Sales specification                             | Units              | Minimum | Maximum |
|---|--------------------|---------|---------|
| 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                 | -       | 360     |
| Cold filter plugging point                      |                    |         |         |
| Summer (16 March - 31 October)                  | °C                 | -       | -5      |
| Winter (1 November - 15 March)                  | °C                 | -       | -15     |

### 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.

**All Greenergy fuels are designed for optimum operating and emissions performance.**  
**For further information phone 020 7404 7700.**