



**First Fill Fuels**

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**Vehicles are manufactured and shipped all around the world prior to their first ownership. They are often fuelled months before reaching the end customer, which could be in a different continent with a different climate.**

When the customer receives their vehicle, it is that first turn of the key which is so important to give the right impression – the car must start first time.

Our specialist First Fill Fuels portfolio includes fuels designed for cold start, specific season grades, Anti Spark plug Fouling gasoline, long-term storage and export territory specific fuels.

Gasoline	Diesel
Anti Spark plug Fouling (ASF)	Arctic Grade
Ethanol Free	Biodiesel Free

**In addition to the development and supply of our own products, we also offer related services including:**

Our refineries and blending facilities in Harwich, Bourgheroulde and in Hamburg-Wilhelmsburg provide more than 80 specialised fuel formulation tanks, storage tanks from 600 to 880,000 litres, and dedicated automated drumming lines.

To prevent any possibility of cross-contamination, each tank is completely separate and independent. As a further precaution, each tank has its own pump and blending jet.

All sites are approved to ISO 9001 and ISO 14001 so that any activity conducted on behalf of customers is of the highest quality. The development and quality control of all products is carried out by the testing laboratory at the site and is accredited to DIN EN ISO/IEC 17025.

The quality control and development laboratories at Harwich and Hamburg are well equipped with a broad range of petrochemical testing and analytical apparatus, including automatic equipment for measuring density, flash point, aniline point, cold flow properties (e.g. pour point, CFPP), distillation profiles, and vapour pressure. In addition, a comprehensive range of manual equipment and wet chemical techniques covering relevant ASTM and IP methods are available.

The analytical laboratories have extensive capabilities and expertise in gas and liquid chromatography (GC/FID, Headspace, GC/MS, thermal desorption, Reformulyzer, PIONA, HPLC), elemental analysis (atomic absorption, X-ray fluorescence, atomic fluorescence) and spectroscopy (FTIR, UV-Visible). There are also distillation pilot-plant facilities at the Harwich Technical Centre.

**PASSION PRAGMATISM PARTNERSHIP**

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