



Oil & Gas Products

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At the heart of the Oil & Gas business lies our dedicated condensate processing operation working alongside North Sea gas producers to ensure uninterrupted gas flows through the reliable and flexible evacuation of associated condensates. The business has a long history and has been working with the upstream industry for over 50 years taking particular pride in its unblemished record of condensate removal throughout this period. More recently the business line has begun to work with many of the oil majors to assist in their product distribution operations through the reliable and fair value evacuation of interface volumes.

Feedstocks

The Oil & Gas Products business line processes unusual grades of condensates, light crude and mixed hydrocarbon products and has the flexibility to take them in by ship, rail or road. The company welcomes small and one off cargoes but is also willing to enter into long term purchase arrangements through which producers are guaranteed fair product value.

The company has a world-class laboratory and technical team who apply their expertise at all stages of our processes; enabling the handling of common contaminants (mercury, methanol, water) and in maximising value from feedstock

Examples of where we excel are as follows:

- Evacuation and placement of gas condensates and light crude oils – particularly where our secure off-take is critical to your business.
- Unusual middle-distillate streams which might otherwise be difficult to place.
- Non-standard feedstocks such as pipeline interfaces, crossovers and other mixed hydrocarbons.

streams. This enables the continued and uninterrupted collection of condensate and mixed hydrocarbon streams even in the event of specification changes or contaminations.

We are always looking for new opportunities to work with business partners and because we are reliable off-takers, maximising and sharing value generated with our suppliers, our relationships often become very long standing (decades as well as years).



At a glance

Haltermann Carless is part of the 'H-C-S Group' of companies specialising in high-value hydrocarbons and specialities, tailored hydrocarbon solvents and dedicated condensate and pipeline interface processing. The Company is at the centre of the global chemicals business with many of the world's largest speciality chemical companies relying on us to supply business critical products. It holds a key role in supporting the UK and European offshore gas industry in ensuring uninterrupted gas flows and is a major producer of coolants and other automotive products. Haltermann Carless has achieved its high performance and growth by being a reliable and responsive long term business partner. We are always ready to explore new business opportunities, supported by our state-of-the-art laboratories and technical teams.

Products

Haltermann Carless produce oil products that go into long term niche markets, including:

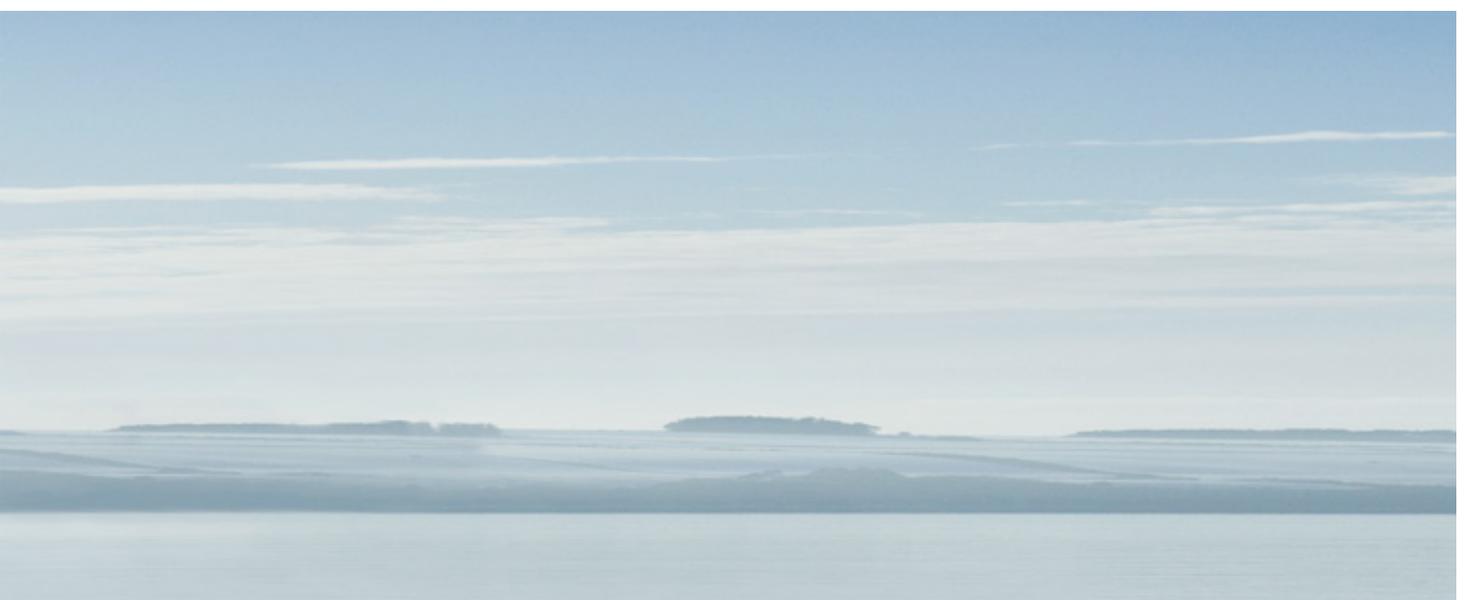
- Heating oils for the UK market and Specialist Gas Oils & Straight Run Fuel Oils
- Aromatic solvents for crop protection and fuel additives
- Speciality oils such as drilling fluids, base-oils, printing inks distillates and process oils
- Racing and development fuels

Sustainability of the business

Haltermann Carless operates in specialist markets. As larger companies streamline, the fields of business open to Haltermann Carless widen.

Haltermann Carless has grown healthily in recent years, despite the general economic climate, and maintains a sound financial position with attractive growth prospects.

Haltermann Carless sales have grown towards £400m p.a, based on volumes of approximately 650m litres.



The business is a major producer of petrochemical naphtha, kerosene and gas oil grades, manufacturing a wide range of burning oils and speciality kerosenes for use both in the domestic heating market, wood preservatives, adhesives and paints industries.

Burning Oils

Haltermann Carless burning oils are a range of kerosene products designed for home and commercial use. These products have variable char values and sulphur contents to suit different burning applications. All Haltermann Carless fuels

Premium C1 kerosene

C1 kerosene often referred to as Premium Paraffin, is a high quality extremely clean burning kerosene suitable for internal use in heaters.

Regular C2 kerosene

C2 kerosene is a regular grade kerosene (often referred to as 28 second burning oil) refined to a very high quality with good burning properties. It is ideal for domestic heating appliances with

High Flash Kerosene

High flash kerosene (HFK) is a high flash kerosene ideally suited for industrial heating applications where a higher flash point is of importance.

have low sulphur levels and high flash points, making them safer to store and cleaner to use. All burning oils can be supplied ex-rack from our refinery in Harwich, or delivered by bulk tankers throughout the UK.

Haltermann Carless C1 kerosene meets BS2869 Class C1 and contains chemical markers in accordance with Customs and Excise requirements.

clean burning characteristics, high heat output and maximum economy. C2 kerosene meets BS2869 Class C2 and contains chemical markers in accordance with Customs and Excise requirements.

Uses range from drying air heaters to large industrial boiler plants.

Typical Properties of Haltermann Carless burning oils:

| | ASTM | Premium C1 kerosene | Regular C2 kerosene |
|---------------------|--------|---------------------|---------------------|
| Total Sulphur % w/w | D2785 | 0.01 | 0.1 |
| Abel Flash oC | IP 170 | 43 | 38 |
| Smoke Point mm | IP 57 | 20 | 20 |
| Char value mg/kg | IP 10 | 6 | 20 |

White Spirits

Haltermann Carless's White Spirit and Clairsol 310 are speciality kerosene grades with good evaporation and solvency characteristics. White spirit is produced with an aromatic content between 10% and 25% providing good solvency whereas

Clairsol 310 is a de-aromatised grade providing flexibility where a lower aromatic content is required. White Spirit and Clairsol 310 are supplied primarily into paints, cleaning products, timber treatment and degreasing applications.

Naphtha

Haltermann Carless is a major supplier of naphtha to the European pet-chem and refining industries for ethylene production, reforming and gasoline

blending. Product is supplied with variable paraffin contents but always with low mercury (<5ppb) and low levels of oxygenates (<100ppm).



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