

Gas Oil – Guidance to improve information flow from Oil Supplier to End User

The supply chain for gas oil involves refineries & import terminals supplying terminals by pipeline, rail, sea or road. Many terminals are shared by several oil companies and may be supplied from more than one refinery/import terminal; as a result gas oil from several refineries/import terminals may be co-mingled at these terminals. Fuel is delivered to end users either by oil companies directly from terminals or by distributors who buy gas oil from various terminals for sale to the end user. Some distributors have their own storage, and may therefore co-mingle gas oil from different terminals. Other distributors simply collect gas oil from a terminal and deliver it directly to the end user (see flowchart).

There are a range of fuel standards for gas oil. These are:

BS2869 class A2 fuel for non-road mobile machinery (e.g. tractors; construction equipment; inland vessels); Sulphur 10mg/kg max; FAME (biodiesel) 7% maximum

BS2869 class D for stationary applications. Sulphur 1000mg/kg max; FAME 7% max.

ISO 8217 distillate for marine vessels. Sulphur 1000mg/kg with a “de minimis” level of FAME, not exceeding 0.1% volume

Questions which can be asked at each level of the supply chain to obtain information on FAME (biodiesel) content of gas oil:

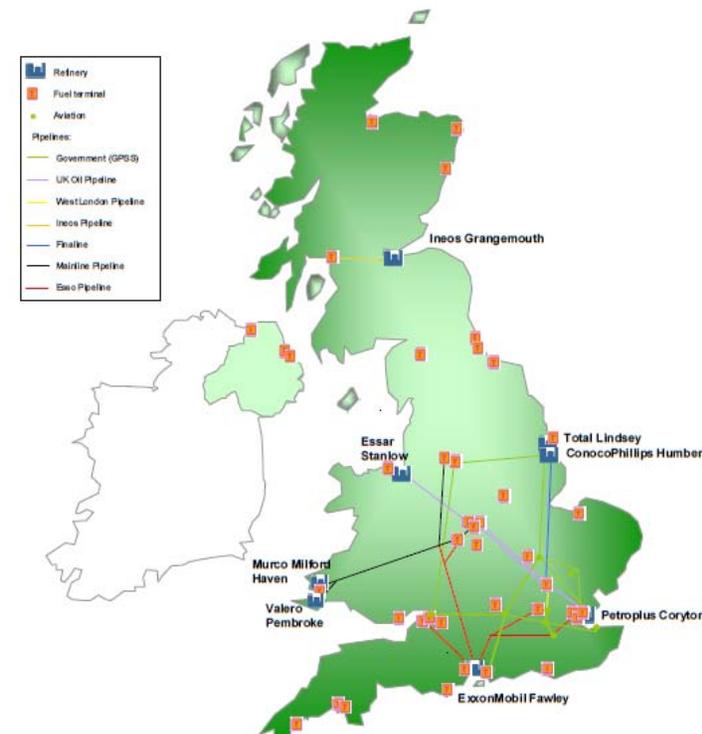
END USER: should contact the equipment manufacturer for advice regarding the correct grade of fuel for their application(s) and their fuel supplier who may be able to supply:

- (for applications which are not required by regulations to be supplied with 10mg/kg sulphur gas oil) ‘dual grade’ of gas oil meeting both ISO 8217 and BS 2869 grade D which will have maximum 1000mg/kg sulphur and **negligible biodiesel content.**
 - ‘dual grade’ gas oil meeting both ISO 8217 and BS 2869 grade A2 which will have maximum 10mg/kg sulphur but **no biodiesel content.**
 - Alternatively 10mg/kg sulphur gas oil with low FAME (e.g. **less than 2%**).
- End users should ask Distributors for documentation from oil suppliers specifying the fuel specification.

DISTRIBUTORS: Ask the oil supplier to specify the fuel specification and FAME content of the gas oil in writing at time of delivery.

UK refining & product distribution terminals

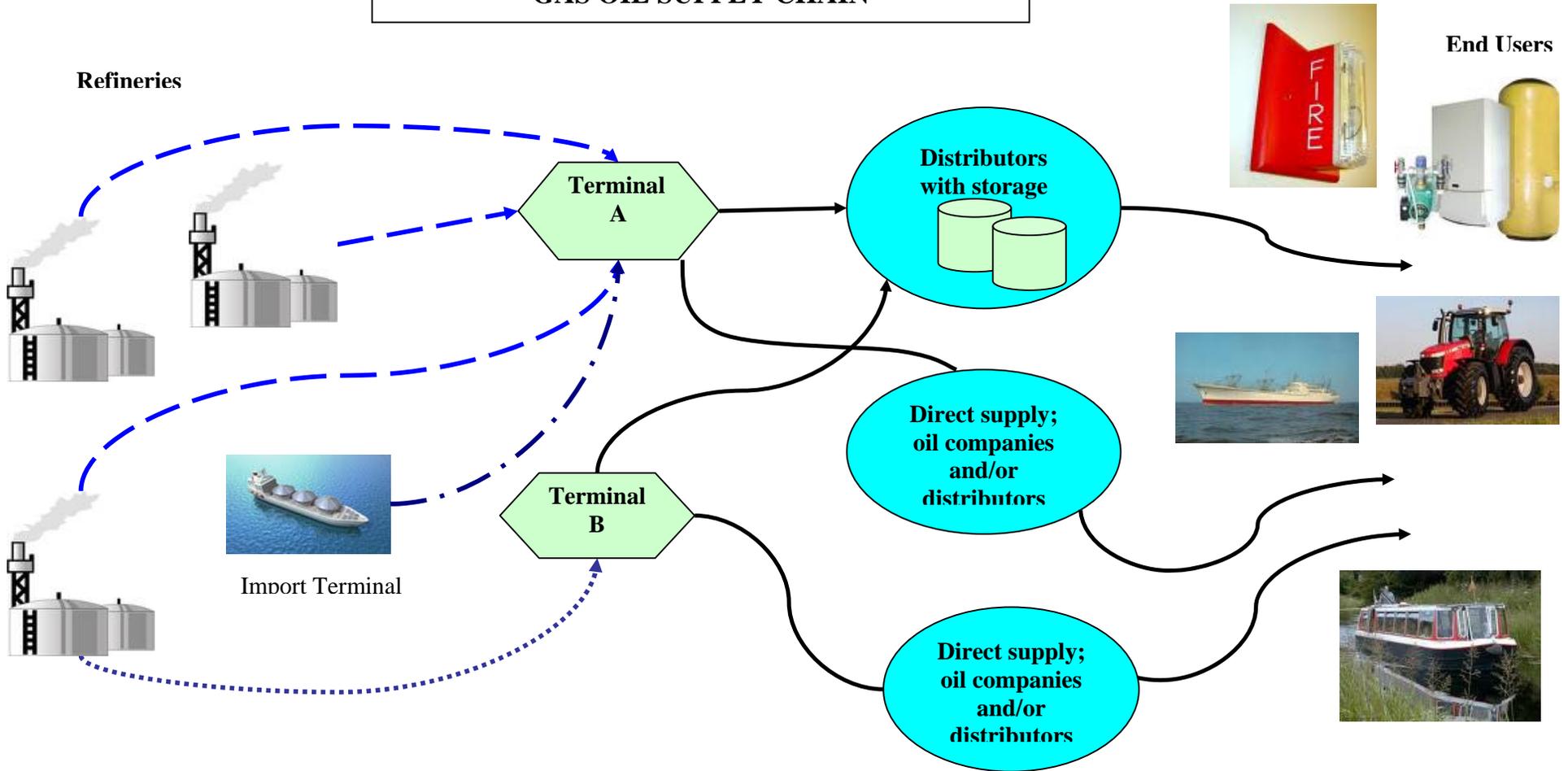
(indicative summary only - does not show all locations)



Map courtesy of UKPIA

www.ukpia.com/Libraries/Download/UK_map_of_refineries_and_terminals.sflb.ashx

GAS OIL SUPPLY CHAIN



- Terminals may either be supplied by one refinery/import terminal or by several, in which case fuel from different sources will be co-mingled
- Distributors with their own storage may be supplied by several terminals in which case fuel from different sources will be co-mingled
- Other distributors deliver fuel direct from a specific terminal