

Technical information

Burning Heavy Fuel Oils

From the point of view of the Heavy Fuel Oil Consumer, it is, regrettably a fact that the quality of Fuel oil is getting ever worse by the day. This is largely due to the ability of the Oil Refineries to extract more and more of the lucrative lighter fractions from the crude stock. Quality also varies very significantly from port to port world-wide. No longer is it sufficient to know a particular Fuel Oil by it's viscosity only, since the oil may also vary tremendously in composition. Most Fuel Oils bunkered today will certainly contain a number of undesirable deposits.

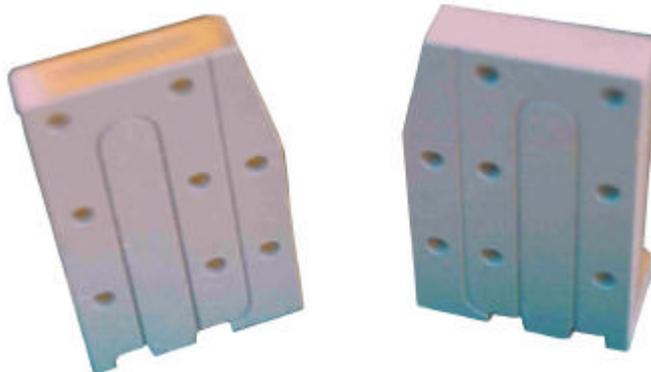
To achieve the most economical combustion and look after the long term maintenance interests of the Diesel Engine, it is essential that the Fuel Oil is heated to the correct temperature to ensure that the fuel is at the correct injection viscosity, thus giving good atomisation and COMPLETE COMBUSTION.

It is no longer practicable to control the injection viscosity "Temperature Control", since we seldom bunker a constant well-define specific viscosity fuel. It is therefore impossible to guess the correct temperature to ensure maintenance of the correct injection viscosity.

Viscosity Control is the only sure method. This ensures consistent injection viscosity and allows automatically for wide specification differences of the fuel.

We should correct the above statement since, consistent injection viscosity can only be achieved if the Viscosity Control System is constantly accurate.

This point is what makes the **VISCOTROL** System so special. Where other forms of Viscosity Control Systems rapidly loose their accuracy due to the measurement capillary becoming restricted or blocked with sediment from the fuel. The **VISCOTROL** employs a specially designed and patented split capillary formed in two metal blocks, each block being "Teflon" coated. This means a fully reliable instrument capable of working continuously year after year and requiring little or no maintenance.



For detailed information, please feel free to contact us or our local agent.