

## Guidelines for **IMO 2020 Compliance**

Glander International Bunkering has conducted comprehensive laboratory testing on new products from refineries and fuel blenders to provide insights for the shipping industry and identify any potential problems post 2020.

### **Tank Inspection**

The biggest concern post 2020 is occasionally experienced by vessels today, when piles of asphaltenes and catalytic fines in the tanks become dissolved after introducing more naphthenic and aromatic fuel. Separator and filter clogging occur which endangers vessel safety.

We recommend inspecting tanks prior to using 0.5% products and as frequently as possible afterwards. Inspection should be part of the SMS and should occur at every planned dry docking. Any piles should be dug out with a shovel and bucket as necessary.

### **Fuel Validation**

Fuel stability and compatibility are critical for shipowners to maintain their operational efficiency. Demand for fuel testing is on the rise due to the urgency of this matter.

Our fuel validation service prior to bunkering provides recommendations on achieving stability and compatibility. Based on the ISO specifications of the fuel onboard, we will evaluate the parameters of the fuel ordered. We can even conduct a compatibility test if a physical sample is sent to our experts.

A stability test is also a simple and effective way to examine two products before blending and changeover. Tests can be conducted without expensive equipment through a few easy steps which we can provide upon your request.

### **Implementation Plan**

Shipowners should develop implementation plans to prepare tanks for compliant fuel. Some may safely load on top of existing HSFO and gradually flush through the fuel system until the sulphur content is compliant. Alternatively, they may choose to flush the tanks with a gas oil 0.1%S. Specialized additives may be used to clean out the sediments and sludge from HSFO tanks. The plan will differ depending on various factors which we can assist with.

For more information, contact our experts to help you achieve compliance without the complications.