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GENERAL CIRCULAR

24th Jun 2019

To: Fleet

Subject: Standard Operating Policy & Procedure for Cargo Heating

Often during a sea passage and always during the discharging operations, we see that the THO Heating valves to those cargo tanks which are EMPTY are left OPEN. The consequence of this incorrect action is:

- Wastage of heat
- Wastage of Fuel Oil consumed by the Boiler
- Increased running of the THO Boilers and thereby reducing the maintenance interval
- 'Coking' of the THO pipes inside the tanks which then, over time progressively result in 'reduced' effect of the heating coils.
- Seized / Frozen THO Valves on deck.

All of the above can be avoided, by implementing simple discipline and understanding the Cargo Heating System onboard your vessel.

In view the following procedures are to be strictly adhered to onboard with regards to the subject of Cargo Heating

Procedures to be implemented

- Familiarize yourself with the THO Heating arrangement
- Ensure that the 'auto by pass' valve located on the Main THO Line is in a good and reliable operating condition.
- During a loaded sea passage, heating to the EMPTY Cargo Tanks to be SHUT by closing both the Inlet & Outlet THO Valves on Deck for the Heating Coils.
- Arrival at a Loading or Discharge Port – the THO Boiler Set Point should be maintained no more than 175 deg C.
- During Cargo Operation (Discharging) – as the individual tanks are nearing to be empty, shut off the heating by closing both the Inlet & Outlet THO Valves on Deck.

- SHUT down the THO Boiler well before the completion of Cargo Operations (the ambient air temperature should be considered when doing this), but DO NOT STOP THE THO CIRCULATING PUMPS.
- Once the temperature of the Circulating THO drops below 100 deg C, then STOP the THO Circulating Pumps.
- Then REOPEN up all the previously CLOSED THO VALVES on Deck for the Cargo Tanks Heating Coils.

QHSE Department

For Maritec Tanker Management Pvt Ltd.