

Operational Guidance for Black Oil Barges

Pickling Pump / Winterizing Valves

Captain's discretion and Stop Work Authority **ALWAYS** override policies and guidelines in the event of imminent threat to the crew, equipment and the environment.

IF YOU ARE UNSURE OF ANYTHING WITHIN THESE PROCEDURES AND/OR NEED CLARIFICATION ON ANYTHING INCLUDED IN THESE PROCEDURES, STOP AND CALL THE OPERATIONS DEPARTMENT, 985-872-2413.

Description - Pickling Pump / Winterizing Valves

Due to the high viscosity and high freezing point of black oil cargoes, certain steps should be taken to prevent black oil products from hardening up and restricting barge pump and valve operations. These steps include pickling the pump and winterizing your barge set-up.

These steps are to be performed as soon as practical after discharge operations have been completed.

CAUTION: When filling the deep well with diesel. Take your time to ensure proper hoses are connected to the proper sides of the diaphragm pump to avoid contamination of diesel fuel tank.

Operational Guidance

Pickling Pump

- After completion of discharge, close the pump suction valve and the discharge valve to isolate the deep well.
- Using 2" inch stripping hoses and diaphragm pump, fill the deep well with diesel as follows:
 - Locate the 2" stripping valve connected to the deep well.
 - Locate the valve connected to the diesel tank. If not a 2" valve, reducers may be required to make the 2" connection.
 - Connect a 2" stripping hose from the deep well stripping valve to the discharge side of the diaphragm pump. **DOUBLE CHECK TO MAKE SURE THIS HOSE IS CONNECTED TO THE DISCHARGE SIDE OF THE PUMP TO AVOID CONTAMINATING DIESEL FUEL TANK.**
 - Connect a 2" stripping hose from the suction side of diaphragm pump to the diesel fuel tank. **DOUBLE CHECK TO MAKE SURE THIS HOSE IS CONNECTED TO THE SUCTION SIDE OF THE PUMP TO AVOID CONTAMINATING DIESEL FUEL TANK.**
 - Open the deep well stripping valve

- Open the valve on the diesel tank
- Turn on air valve to diaphragm pump and begin transferring diesel from the diesel tank to the deep well. Use deep well bleeder valve accordingly.
- If dock **DOES NOT** allow you to pump this diesel to dock for flushing the deep well, **FIRST MAKE SURE THE SUCTION VALVE, DISCHARGE VALVE AND CARGO HEADERS ARE CLOSED AND BLANKED OFF AS APPLICABLE.** Then, engage the pump at low throttle for 10 minutes to circulate the diesel within the deep well and loosen up any remaining residue. After circulating, shut the pump down and leave diesel in the deep well until next discharge.
- If dock **DOES** allow, pump this diesel to the dock to flush deep well. Then, repeat steps to fill the deep well with diesel a second time and leave this diesel in the deep well until next discharge.

Winterizing Valves

- After completion of discharge operations, all tank isolation valves should be open a minimum of 5 rounds per tank.
- The drop valve should be open half way.
- All block/segregation valves should be open half way.

NOTE: After winterizing valves, special attention should be given to valves during cargo operations on the next load to ensure they seat properly.

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