

JBF 420/400 Skimmer Operations Checklist

The following steps are recommended for rigging and deployment of the DIP 400 skimmer. This procedure should be followed after the 420 has been launched and secured along side a dock or shoreline. The sequence of these steps can vary depending upon the judgment and experience of the operator.

Operational Steps:

1. Remove the forward void hatch cover and assemble all components on deck near the DIP 400 (i.e. sweep plates, hydraulic hoses and cargo pump section and discharge hoses). Remove tie down straps from skimmer.
2. Connect hydraulic hoses from skimmer belt drive and cargo pump connectors to hydraulic power unit.
3. Start the hydraulic power unit and check the operation of the belt and cargo pump. Insure that all hydraulic connections are secure.
4. Connect pump suction/discharge hose from pump to storage tank inlet/suction line. Set pump out tube depth to 1" (25mm) below water line.
5. Install aluminum sweep plates at front of DIP 400 in up position. Open debris trap door on DIP 400 skimmer. Remove the forward handrail on the 420 so the skimmer can be lifted and swung into position over the bow.
6. Attach the winch cable to the DIP 400 lifting sling and lift the skimmer high enough to swing forward the bow.
*For high speed transit of the 420, lash the DIP 400 on the deck and remove tension from the winch cable. DO NOT transit at high speed with DIP 400 suspended on winch cable.
7. Lift the skimmer and lower the skimmer until it floats. Allow enough slack in the winch lines to enable the skimmer to move up and down with the motion of the 420.
8. Operate the belt control and cargo pump control as needed for oil concentrations.
9. Attack the spill at approximately 1 – 2 knots. Observe the sweep action and reduce speed if the leading edge of the sweeps start to submerge (at approximately 3 knots)
10. Pump collected oil into cargo tank through the fill/suction line. The tank contents are also removed through this same pipe.