

S/Trawler 'Arctic Viking' (machinery)

Now done.

Vessel placed in dry dock. Propeller, outside fastenings of sea connections and tail end shaft, examined and placed in good order. Sea cocks & valves all renewed.

Tail shaft tried in lathe, found true. Shaft liner machined. Stern bush completely renewed. Thrust & intermediate shafts examined and found in good order.

The boiler removed to shop and the repairs, originally put in hand at Southampton by Messrs John J Thornycroft & Co Ltd, now completed -

Boiler back plate cropped and port side renewed. Welded at crop and an inside strap riveted over weld. (See drawing $\frac{R}{236}$ approved 2.5.46.

All plain and stay tubes in port box renewed. All girder stays renewed, two longitudinal stays renewed and all port wing and partition stays to comb. chr. renewed.

Port Comb. chr back plate removed, faired refitted & riveted and all port back comb chr stays renewed.

Mountings overhauled and made good. Boiler refitted to vessel and turned round end for end. Examined under hydraulic pressure 360 lbs & found sound tight.

All main steam pipes & superheater header pipes renewed. Tested to 660 lbs p.s.i. Owners superheater elements (repaired & tested) fitted. Superheaters retested on completion to 660 lbs p.s.i.

A Wallsend Howden type oil fuel burning installation has been fitted satisfactorily in accordance with the approved plans and the Rule Requirements.

Boiler examined under steam and found in order. Safety Valves adjusted under steam to 220 lbs p.s.i.

Owners new Steering Engine "Donkins" No 7700 satisfactorily fitted and tested out.

On completion, the whole of the main and auxiliary machinery tried under steam and found satisfactory. Pumping arrangements tested and found in order.

Note. Since writing above report, the vessel was prepared for sea and is proceeding to Hull. Two items which were not completed at this port will be done there and the Hull Surveyors have been advised.

1. Steam smothering to be tried ✓
2. The port and starboard wing pipes, oil fuel delivery to the burners are to be renewed in solid drawn steel and the system retested to 400 lbs p.s.i. ✓

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