

COPY: *London.*

S.S. GLANBRYDAN
NEWCASTLE-ON-TYNE
85607

NEWCASTLE-ON-TYNE.

17th April 1930.

GEORGE R. CHAPPEL,

the Owners' Representative, attend on board the steamer "GLANBRYDAN", of Hull, 1892 tons gross register, whilst lying afloat and in dry dock at the Works of Messrs. Tyne Dock Eng. Co. Ltd., South Shields, on 6th February 1930 and subsequent dates, for the purpose of ascertaining the nature and extent of the damage to machinery, stated to have been caused -

- (1) by vessel grounding -
 - (a) at Nantes, 11th October 1929,
 - (b) at Barry, 22nd January 1930.
- (2) by vessel encountering heavy weather on voyage Port Talbot to Nantes to Swansea, 28th November to 11th December 1929.

For further particulars please see Log Books.

Upon a general examination being made it was recommended that the sea cocks, all shafting, main engines, main and auxiliary pumps, condenser, steering engine and the two main boilers be opened out and examined, the main engine holding down bolts tested and hardened up as necessary, the main steam pipes be removed ashore and tested, and all water service pipes and guide cooling spaces be cleared.

(Rpt.10)



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Lloyd's Register
Foundation
W280-0034(113)

S.S. "GLANBRYDAN".

17th April 1930.

FOUND.

Wood in stern bush worn.

Main Bilge Pumps:

Aft pump suction and delivery valve lids badly worn.

Forward pump delivery valve lid badly worn.

Circulating Pump:

Steam cylinder bore out of truth and scored.

Impeller shaft badly worn.

Impeller faces worn.

Ballast Pump:

Piston Rings worn.

Piston Rods scored.

Bucket rings and water end liners worn.

Valve gear pins slack.

Auxiliary Feed Pumps:

Piston and bucket rings slack.

Suction and delivery valves, lids and seats pitted.

Main condenser lower rows of tubes choked.

General Service Pump:

Steam cylinder and water chamber badly worn.

Valve gear pins slack.

Steering Engine:

Piston Valves and control valve worn.

Starboard Main Boiler:

Starboard furnace, deflection at about mid length on port side, $1\frac{1}{8}$ ins.

RECOMMENDED.

Stern bush to rewood.

To renew.

To renew.

Steam cylinder to bore and new piston to fit.

Impeller shaft to renew.

Impeller faces to machine and line out with fitting strips.

To renew.

Rods to skim and rebush.

One bucket ring to renew; one liner to renew and bucket to skim to suit.

Valve gear to overhaul.

To renew.

Lids and seats to face.

All tubes to clear with rod and afterwards wash out.

Condenser to test.

Pump to remove ashore; steam cylinder and water chamber to bore out and piston and bucket rings to renew.

Valve gear to overhaul.

Piston and control valves to renew.

Furnace to cut in way of deflection; to "jack up" to shape and cut to close by electric welding.

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S.S. "GLANBRYDAN".

17th April 1930.

FOUND.

Centre furnace, deflection
at about mid length, on
port side $3\frac{1}{8}$ " , starboard
side $3\frac{1}{8}$ ins.

Port furnace, deflection
negligible.

Port Main Boiler:

Starboard and centre furnaces
deflection negligible.

Port furnace deflection at
about mid length on port
side $2\frac{3}{8}$ ins., starboard
side $3\frac{1}{8}$ ins.

RECOMMENDED.

Furnace to renew.

Furnace to renew.

On completion of repairs boilers
to be tested hydraulically to
200 lbs. per square inch.

The above recommendations were
made in order to place the machinery of this vessel in as good
a condition as it was previous to the damage.

Fee :- £10:10:0

SURVEYOR TO LLOYD'S REGISTER.

NEWCASTLE-on-TYNE.

J.R.S.



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