

COPY.

Lloyd's Register of Shipping.



Port

PLYMOUTH

May 22nd. 1925.

This is to Certify that

P. T. BROWN.

the undersigned Surveyor to this Society did at the request of

Mr. Frank Heslop, acting on behalf of the owner, attend aboard the steamer "EUTH" - No 81694 in Register Book, 226 tons Gross - on 27th April 1925, whilst lying in Sutton Harbour Plymouth, for the purpose of ascertaining the nature and extent of damage stated to have been caused to the machinery of this vessel by the vessel striking some submerged object at 2.10 p.m. on 18th April 1925 whilst on a voyage from Plymouth towards Cardiff.

For full particulars see log books and protest.

In consequence of the general condition of the machinery, as seen from first examination, it was recommended that the whole of main engines and pumps be stripped for examination; that the tail shaft be withdrawn and tested in lathe; that the crank and thrust shafts be taken ashore and tried in lathe, and that subsequently, all shafting be set to correct alignment aboard.

Following on these recommendations the undernoted defects were found and recommendations made:-

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:-

"While the Committee use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Committee nor the Society are under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the Society, or for any error of judgment, default, or negligence of the Surveyors, or other Officers or Agents of the Society."

- " RUTH " - Cont.

Found.

Forward journal end of crank shaft slightly out of truth.

No I main bearing worn and in consequence of above recommendation not adjustable.

Bolts of Nos I & 2 main bearings started.

Collars of thrust shaft scored; whitemetal of thrust shoes scored; threads of thrust screws strained and threads of nuts stripped.

L. P. column bolts slack.

Tail shaft coupling slightly out of truth.

All shafting.

Recommended.

Forward end to be re-centred and forward end and after coupling be skimmed.

No I main bearing brasses be renewed.

Bolts be removed examined annealed and replaced.

Thrust collars & couplings be faced; shoes retailed; thrust screws and nuts be renewed.

To be hardened up; also that all engine holding down bolts be tested and dealt with as found necessary.

Coupling to be faced.

In consequence of facing of couplings, the coupling bolts to be renewed as found requisite on assembly and lining of shafting.



- * RUTH *- Cont.

Found.

Recommended.

H. P. slide valve and face badly scored; screws securing valve face slack and four screws broken.

Slide valve to be machined; valve face with securing screws to be renewed.

Ridge near top of H. P. cylinder.

To be chipped off.

H.P. and L.P. piston rods slightly bent.

To be faired and skimmed; neck and gland bushes to be renewed.

H. P. valve rod bent.

To be renewed; old end to be used and welded to bar to form new rod.

H.P. eccentric rods bent.

To be faired, annealed and refitted.

Metal of H. P. eccentric straps squeezed out and straps strained.

Straps to renew complete.

Flange of H. P. eccentric sheaves broken.

Eccentric sheaves to be renewed.

Metal of H. P. and L. P. bottom end bases run.

Bases to remetal.

H. P. and L. P. guide bars scored.

To be removed, machined and refitted.



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- " RUTH " - Cont.

Found.

Recommended.

Spring behind L. P.
valve distorted.

To be refitted.

L. P. valve rod
scored.

To be renewed; old
end to be used and
welded to bar to form
new rod.

Feed pump gudgeon
end started and ram
scored.

Feed pump ram to renew
complete.

Bilge pump ram scored.

To be skimmed; neck
and gland bushes to be
renewed.

Air and circulating
pump rods scored.

To be skimmed and neck
bushes renewed.

Circulating pump ^{bucket} ~~rod~~ at
loose in chamber.

To be whitemetalled.

Journals of pump cross head
unequally worn.

To be skimmed.

One bolt of pump link on
pump side broken and one
bolt distorted.

Broken bolt to renew,
distorted bolt to
straighten and refit; all
links to be overhauled
and set to alignment;
one half brass to renew.



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5.

- " RUTH " - Cont.

Found.

One feed pump valve
and seating distorted.

Recommended.

Valve and seating to be
renewed.

The above recommendations made to place the machinery
of this vessel in good and efficient condition.

(Sd) P. T. BROWN

Surveyor to Lloyds Register.

Fee. £5-5-0.

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