

# Report of Survey for Repairs, &c., of Engines and Boilers.

No. 17425.

(Received at London Office)

WED. 26 MAR. 1919

of writing Report 17<sup>th</sup> March 1919 When handed in at Local Office 21<sup>st</sup> March 1919 Port of Greenock  
 in Survey held at Port Glasgow Date, First Survey 20<sup>th</sup> Feb'y, '19 Last Survey 15<sup>th</sup> March 1919  
 on the Machinery of the Wood, Iron or Steel Steam Trawler "Helcia" Master James  
 Gross 230 Vessel built at Selly By whom Cochrane & Sons When 1906 YEAR. MONTH.  
 Net 98 Engines made at Grimsby By whom Grimsby When 1906  
 Power 76 Boilers, when made (Main) 1906 (Donkey)  
 Main Boilers 1 Owners The Sylvia Steam Trawling Co. Ltd. Port Grimsby Voyage To Grimsby  
 Donkey Boilers 1 If Surveyed Afloat or in Dry Dock The Clyde S.S. Co. Ltd.  
 in Boilers 180 lbs (State name of Dock.) Slipway. Particulars of Classification (which must be inserted  
 Donkey Boilers 1 precisely as in Register Book & Supplements).

Report No. Port

## Particulars of Examination and Repairs (if any)

Special Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the nature and extent of the examination and subsequent repairs. Repairs on the machinery of the vessel must be stated in detail in the body of the report, should be separated from repairs due to other causes; and the initials of any letters respecting this case.

Where the Surveyor has not made a special damage report he is required to state whether he offered his services for this purpose, and why they were declined? Not required Was a damage report made by anyone else? If so, by whom? Admiralty Surveyors

Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes

" Donkey " " "

was not done, state for what reasons?

What parts of the Boilers could not be thus thoroughly examined?

What special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler?

Surveyor examine the Safety Valves of the Main Boiler? Yes

To what pressure were they afterwards adjusted under steam? 180 lbs.

Surveyor examine the Safety Valves of Donkey Boiler? Yes

To what pressure were they afterwards adjusted under steam?

Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? Yes

, and of the Donkey Boiler?

Surveyor examine the drain plugs of the Main Boilers? None

, and of the Donkey Boiler?

Surveyor examine all the mountings of the Main Boilers? Yes

, and of the Donkey Boiler?

Screw shaft now been drawn and examined? Yes Is it fitted with continuous liner? Yes or two liners? or is it without liners?

Shaft now been changed? Yes If so, state reasons

Shaft now fitted new? Yes Has it a continuous liner? Yes or two liners? or is it without liners?

the distance between lignum vitae of stern bush and top of after bearing of screw shaft? New lignum vitae fitted.

Survey is not complete state what arrangements have been made for its completion and what remains to be done? Forward stow of boiler to be moved and after stow to be examined further. Grimsby Surveyors informed.

Vessel placed on slipway. All sea inlet & discharge cocks and valves examined open, together with their fastenings. The stern tube, propeller, and propeller shaft drawn in.

All cylinders, pistons, slide valves & pumps, crank & thrust shafts, examined on. Condenser examined with doors off, and donkey pump examined fully opened.

Boiler examined inside & outside, together with manhole doors off, and all mountings open, and seating.

Now done for wear & tear — H.P. bottom end bush reinstalled, M.P. piston rod examined true. Feed pump plunger renewed, main steam pipe amended & tested, tail shaft examined drawn in & new wood fitted in stern bush. Temporary wood blocks fitted under fore end of boiler, and zinc bed of front circumferential beam electric welded.

General Observations, Opinion, and Recommendation: — The machinery of this vessel State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.; thus, for example, B.S. 9, 11, B.&M.S. 9, 11, or S.L.M.C. 9, 11, 140 lb., F.D., &c.)

Now in a good & efficient condition and eligible in my opinion remain as classed, with fresh notation + L.M.C. 3.19. Subject to new forward boiler stow being fitted.

by Fee (per Section 28) £ 3 : 10 : 0. Fees applied for 21<sup>st</sup> March 1919  
 al Damage or Repair Fee (if any) £ : :  
 (per Section 28.)  
 elling Expenses (if chargeable) £ : : Received by me, 23<sup>rd</sup> Apr 1919

Committee's Minute GLASGOW 25 MAR 1918

igned Deferred for compl.

TUE. 22 JUL. 1919

TUE. 18 NOV. 1919

Graham Robertson  
 Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

W877-0129

Insert Character of Ship and Machinery precisely as in the Register Book.

In a certificate required? If so, to be sent to



S. 1. 2. due 5.14 to 5.18 to complete at Gnd.  
Screw shaft examined. Main steam pipes  
annealed & tested & minor repairs

N.B. - If this Report is copied by Copying Press, especial care must be taken that the copying paper is not so much damped as to spread the ink, or to cause it to show through to the other side.

It is submitted that this  
vessel WILL BE eligible for  
the record. + L. M. C. when the forward  
boiler stools have been renewed &  
the after stools further examined

S. 3. 19

AP

L.

1/4/19

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.



© 2020

Lloyd's Register  
Foundation