

No. 15,771

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

SAT. JUL. 3 1920

(Received at London Office)

When handed in at Local Office

1/7/20 Port of Leith

Date, First Survey 28/11/19 Last Survey 12/3/20

(No. of Visits 20)

Machinery of the Wood, Iron or Steel *Iron*

*Fritz*

Master

Vessel built at *Hamburg*

By whom *Blohm & Noss*

When 1914

Engines made at *do.*

By whom *do.*

When 1914

Boilers, when made (Main)

(Donkey)

1914

Owners *Ministry of Shipping*

Port

Voyage

Place of Surveyed Afloat or in Dry Dock

(State name of Dock.)

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

CHARACTER. * for Special Survey, Date of last Survey and of Periodical Surveys.	Years Assigned now expired.	Machinery and Boiler Surveys (including date of N.B., if any)

Examination and Repairs (if any) *✓ N.P.*

must be reported in detail and serially in the terms of the Rules. State clearly the nature and extent of Examinations and subsequent Repairs. Repairs on which must be stated should be separated from Repairs due to other causes; and the nature of the report, should be briefly summarised at the end of the report. State also the reasons respecting this case.

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 not accepted. Was a damage report made by anyone else? If so, by whom?

Examine each Main Boiler separately and make a thorough examination at this time? *yes*

Reasons? *not be thus thoroughly examined?*

Valves of the Main Boiler? To what pressure were they afterwards adjusted under steam? *yes* *115-lb.*

Valves of Donkey Boiler? To what pressure were they afterwards adjusted under steam? *yes* *none*

Hoists, doors and their fastenings of the Main Boilers? *yes* *and of the Donkey Boiler?* *yes*

Hoists of the Main Boilers? *yes* *and of the Donkey Boiler?* *yes*

Fastenings of the Main Boilers? *yes* *and of the Donkey Boiler?* *yes*

Is it fitted with continuous liner? *no* or two liners? *no* or is it without liners? *no*

If so, state reasons *one liner fitted on way of strengthening only*

Has it a continuous liner? or two liners? or is it without liners?

Condition of stern bush and top of after bearing of screw shaft? *A good fit.*

What arrangements have been made for its completion and what remains to be done? *Complete:*

*auxiliary engines opened up, and the cylinders, heads, pistons, valves, crank, thrust, and turner shafting, screw shafts and connections, fastenings, main and auxiliary compressors with valves, evaporator coils, scavenging oil lubricating, bitge, oil pumps and valves, filters & coolers, oil heaters, and such like white metal in main bearing brasses & bottom end brasses of cylinders is dressed up; new tube plate fitted to oil cooler - this had been on the tubes - The starb. engine main compressor found cracked through cylinders & casing side. To avoid delay to the vessel this was taken to Glasgow and welded up, and afterwards tested. It was replaced by a new compressor at the first opportunity.*

*Key bolts - Yarrow type - examined throughout. The eight doors at the back*

Opinion, and Recommendation:—

It is suggested that the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also the classification of the vessel's machinery, boilers, working pressures, &c.: thus, for example, B.S. 9,11, B.&H.S. 9,11, or L.M.C. 9,11, be made in the records of the vessel's machinery, boilers, working pressures, &c.:

Machinery is eligible in my opinion for record of *+D.M.C. 3.20*

main compressor of the starb. engine being renewed at *convenience.*

TUES. 22 JUL 1924

FRI. AUG. 31 1923

*C. Marshall*  
Engineer Surveyor to Lloyd's Register of Shipping.

FRI. SEP. 3 1920

FRI. NOV. 18 1921

FRI. DEC. 3 1920

TUE. OCT. 10 1922

FRI. OCT. 14 1921

TUE. OCT. 2 1921

£ 10.00

Fees applied for

£

Received by me

£

See Staff Book

FRI. JUL. 16 1920

MACHINERY CERT  
WRITTEN  
16.7.20

*NC 3.20*

*DRS 3.20*

*subject (oil engines)*

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

In a Certificate registered If so, to be sent to

MSB2-0164

back of the water drums, and the manhole doors at  
front and port side water drum found slack, and  
Safety valves adjusted under steam.

The machinery tried under working conditions in  
ahead, and astern, and found to work well.

C.M.

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