

# REPORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS

21 NOV 1950

(Received at London Office)

Port of

HULL NOV 1950

Date of writing Report

When handed in at Local Office

No in Reg. Book. Survey held at

HULL.

Date.

First Survey

2.10.50

Last Survey

2.11.1950

51667 on the Machinery of the ~~Wood, Iron or Steel~~ S.Sc. Steam Trawler "ARCTIC VIKING".

(No. of Visits 8)

Tonnage { Gross 533 Vessel built at Selby By whom Cochrane & Sons, Ltd. Year. Month. When 1937 3  
 Net 203 Engines made at Hull By whom Amos & Smith, Ltd. When 1947- 8  
 Nominal 206 Boilers, when made (Main) 1937 (Donkey) -  
 Horse Power 153 Owners Boyd Line, Ltd. Owners' Address -  
 No. of Main Boilers 153 Managers T.W. Boyd & on slipway Port Hull Voyage Fishing  
 No. of Donkey Boilers 153 If Surveyed Afloat on in Dry Dock St. Andrew's Dock.  
 Steam Pressure— 220 lb. (State name of Dock.)  
 in Main Boilers -  
 in Donkey Boilers -

Last Report No.

Port

Docking, B.S., T.S.C.L.,

Particulars of Examination and Repairs (if any) Alts., Forced Draught Conv.

(Periodical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on being detailed in the body of the report, should be briefly summarised at the end of the report. State also the dates and initials of any letters respecting this case)

In damage cases 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.

Was a damage report made by anyone else? If so, by whom?

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

" " Donkey " " "

If not, state for what reasons

Yes

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?

State latest date of internal examination of each boiler

30.10.50.

Present condition of funnel? good

Did the Surveyor examine the Safety Valves of the Main Boilers?

Yes

To what pressure were they afterwards adjusted under steam? 220 lb/sq.in. spt. 225 lb/sq.in.

Did the Surveyor examine the Safety Valves of the Donkey Boilers?

-

To what pressure were they afterwards adjusted under steam?

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

Yes

, and of the Donkey Boilers?

Did the Surveyor examine the drain plugs of the Main Boilers?

-

, and of the Donkey Boilers?

Did the Surveyor examine all the mountings of the Main Boilers?

Yes

, and of the Donkey Boilers?

Has the screw shaft now been drawn and examined?

Yes

Has it a continuous liner?

Yes

Is an approved oil retaining appliance fitted at the after end? No

Has shaft now been changed? No If so, state reasons

Has the shaft now fitted been previously used?

Is an approved oil retaining appliance fitted at the after end?

State date of examination of Screw Shaft

24.10.50.

stern bush running fit Is electric light ~~apex~~ fitted? Yes If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? No

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms?

Engine parts, when referred to by numbers, should be counted from forward. Auxiliary machinery should be referred to by position in Machinery Space.

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done complete.

NOW DONE:- Vessel placed on slipway. Propeller, sea connections and fastenings examined.

T.S.C.L:- Screwshaft drawn inboard and examined together with sternbush and found in good condition.

B.S:- Boiler examined internally and externally together with mountings and superheaters and all found or placed in good condition. Safety valves adjusted as stated above. Steam smothering in stokehold tested. O.F. installation examined under working conditions and found in good condition.

Alterations:- Boiler originally fired from aft turned around and oil fuel unit and transfer pump fitted at forward end in stokehold as shown on attached "AS fitted plan". Boiler mountings reversed as necessary and gauge glass fitting refitted at back of boiler in engine room.

## General Observations, Opinion, and Recommendation.—

(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, BS 9.11, B&MS 9.11, &LMC 9.11 or &LMC 140 lb., FD, &c.)

The machinery of this vessel is eligible in my opinion to remain as classed with fresh records of B.S. 11.50, T.S.C.L. 10.50 with Notation F.D. and amended M.N. 206.

Survey Fee (per Section 29) B.S. £4 : - : - Fees applied for  
 Special Damage or Repair Fee (if any) TSCL 1 - - 21 NOV 1950  
 (per Section 29) Alterations £5 : 5 : - Received by me, 19

Committee's Minute

FRI 12 JAN 1951

Assigned

As now  
 1.10.50 13.11.50

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register  
 Foundation

002577-002582-0060



"Arctic Viking".

O.F. transfer, filling, tank heating, fire extinguishers (steam), valves, pipes and fittings fitted and tested to rule requirements including controls outside machinery spaces, as shown on "As fitted plan".  
The requirements of sections 18 & 19 of the rules carried out as far as applicable.  
2 - 2 gallon "Foamite" extinguishers fitted in stokehold.  
1 - 2 gallon and 1 - 10 gallon in engine room.  
Installation examined under working conditions and found satisfactory.

Forced Draught Conversion:-

Howden air heater and forced draught fan efficiently fitted.  
All superheater main steam pipes renewed in Lloyd's tested tube of suitable scantlings and hyd. tested.

Repairs to Owners' Account:-

Funnel renewed.

Funnel casing renewed in aluminium.

Repairs, Wear & Tear:-

Sternbush rewooded.

O.F. unit and transfer pump completely overhauled.



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