

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

(Received at London Office 13 JAN 1948)

of writing Report..... 31-12-47. When handed in at Local Office..... 8-1-48 Port of SWANSEA.

in Survey held at Swansea. Date. First Survey 24-10-47. Last Survey 19-12-47.

Book. (No. of Visits.....)

on the Machinery of the Wood, Iron or Steel Tanker "OILFIELD" ex "Hovenweep". Year. Month. 1944.

Gross 10662. Vessel built at Portland, Or. By whom Kaiser Co. Inc. When 1944.

Net 6323. Engines made at Lynn, Mass. By whom General Electric Co. When 1944.

Boilers, when made (Main) 1944. (Donkey)

Owners Northern Petroleum Tank S.S.Co. Owners' Address Newcastle. Voyage

Managers Hunting & Son, Ltd. Port Newcastle. Voyage

Donkey Boilers 490. Main Boilers 470 Spt. If Surveyed Afloat or in Dry Dock Both. Palmers Dry Dock. (State name of Dock.)

Donkey Boilers

Report No. Port

Particulars of Examination and Repairs (if any) DOCKING: GENERAL EXAMINATION (CLASS CONTEMPLATED): BS : TS. Classification contemplated.

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

CHARACTER. X 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)

cases where the Surveyor has not made a special damage report he is required to state whether he offered his prices for this purpose, and why they were declined

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

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

Donkey

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

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?

test date of internal examination of each boiler both 4-11-47. Present condition of funnel(s) Good.

Surveyor examine the Safety Valves of the Main Boilers? Yes. To what pressure were they afterwards adjusted under steam? 490lbs. 470lbs. Spt.

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

Surveyor examine the drain plugs of the Main Boilers? - and of the Donkey Boilers?

Surveyor examine all the mountings of the Main Boilers? Yes. and of the Donkey Boilers?

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?

It now been changed? No. If so, state reasons - Has the shaft now fitted been previously used? - Has it a continuous liner?

proved oil retaining appliance fitted at the after end? - State date of examination of Screw Shaft 30-10-47. State the wear down in the

bush close fit. Is electric light and/or power fitted? Yes. If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? Yes.

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

Engine parts, when referred to by numbers, should be counted from forward.

Survey is not complete, state what arrangements have been made for its completion and what remains to be done To complete Classification survey

all requirements remain to be carried out in accordance with Circular 1871 except examination of

boilers and screw shaft.

Owners Representative's attention has been drawn to the following omissions of Rule Requirements:-

the blow off valve on ship's side is not fitted with brass ring on outside of plating.

the oil fuel transfer pumps and oil fuel pressure pumps are not controlled from positions

accessible in case of fire.

other special items as per Circular 1871 and addendum are in general conformity with Rule

requirements except blow off valve on ship's side which is connected to fabricated steel elbow

piece with inside and outside flange to ship side electric welded. It is submitted that this

fitting may be considered equivalent to Rule Requirement.

It is stated that the above requirements and M.S. will be carried out at due date of M.S. in 1948.

W Done Classification. Vessel placed in dry dock, propeller, stern bush, sea connections and

air fastenings examined, stern bush rewooded. P.T.O.

General Observations, Opinion, and Recommendation: The machinery of this vessel as now seen, is

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 or LMC 140 lb., FD, &c.) CS 3,34,

in good condition and eligible in my opinion to have notation Examined 12,47 for a period of

months with records of B.S. 12,47 and Screwshaft seen 10,47.(Continuous liner)

Fees applied for 12-1-48.

Received by me, J. J. J.

Engineer Surveyor to Lloyd's Register of Shipping.

LICENCE CASE.

Committee's Minute

signed As how subject

BS 12.47

S 10.47 CL

12 MAR 1948

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Screw shaft drawn in and examined and scantlings checked as follows:-

Propeller diameter 19' 6" pitch 17' 6" No. of blades 4, material bronze, not movable, total developed surface 138.3 square feet.

Screw shaft diameter 18 1/2" coupling flange 4" thick, diameter of bolts 4" fitted with bronze continuous liner watertight in the propeller boss, thickness in way of and between bushes 1 1/8" length of stern bush 87".

B.S. Main W.T. boilers examined internally and externally together with their principle mountings and superheaters and safety valves at drum and superheaters adjusted to the 490 and 470 lbs. per Square inch respectively.

Scantlings of boilers taken. Rpt. 5c herewith.

Oil fuel installation generally examined and tested under working conditions.

The fire extinguishing arrangement and apparatus (CO<sub>2</sub> piped to machinery compartments) generally examined and ascertained to be in charged condition.

General Examination Pending Classification.

It is stated that the machinery is satisfactory in service. American Bureau survey requirements have been carried out to date. -

Main and auxiliary machinery now examined externally and under working conditions, and overspeed trips tested with satisfactory results.

Main circulating pump opened up and examined, impeller shaft skimmed up, bearings remetalled, sealing rings renewed.

Forward rotary feed pump opened up and examined, minor repairs effected.

Main condenser examined (tested).

Electrical installation generally examined and megger tested throughout, circuit breakers and manoeuvring controls operated and the whole of the installation examined under working conditions.

Main generator and motor collector rings trued up and brush gear overhauled.



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