

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

(Received at London Office)

7-MAR 1955

Date of writing Report 25th Feb. 1955 When handed in at Local Office 25th Feb. 1955 Port of Kiel
 Date First Survey 13.12.54 Last Survey 23.2.1955
 (No. of Visits 16)

Survey held at Kiel
 on the Machinery of the ~~Wrecked~~ Steel M.V. "ADOUR" ex "EUROPE"
 Gross 8371 Vessel built at Odensee By whom ~~Staalskibssvft~~ ved A.P. Möller
 Net 4847 5134 Engines made at Copenhagen By whom Akt Burmeister & Wain When 1934 -- 12
 s Per Rule 490 Boilers, when made (Main) -- (Donkey) 1934 --
 Main Boilers -- Owners The Texas Co. Sammet Adour Owners' Address --
 Donkey Boilers 2 Managers K. Salvensen -- Sønner (if not already recorded in Appendix to Register Book.)
 Pressure -- If Surveyed Afloat or in Dry Dock both Port Oslo Kragerø Voyage --
 Main Boilers -- at Kieler Howaldtswerke A.G.
 Donkey Boilers 180

Report No.

Port

Particulars of Examination and Repairs (if any) Cpl. CS, DBS, TS + Conversion
 of Repairs, when held, must be reported in detail and serially in the terms of the Rules. State clearly the

of Repairs, if any, and, in detail, the nature and extent of examinations and subsequent repairs. Repairs on
 of Damage (the cause of which must be stated) should be separated from repairs due to other causes; and besides
 detailed in the body of the report, should be briefly summarised at the end of the report. State also the dates and
 of any letters respecting this case

age cases where the Surveyor has not made a special damage report he is required to state whether he offered his
 vices 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? --

" Donkey " " " " yes

State for what reasons -- 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? --

Latest date of internal examination of each boiler p+s boilers 15.12.54, re-examined 1.2.55 Present condition of funnel(s) good

Surveyor examine the Safety Valves of the Main Boilers? -- To what pressure were they afterwards adjusted under steam? --

Surveyor examine the Safety Valves of the Donkey Boilers? yes To what pressure were they afterwards adjusted under steam? 157 lb at request of Chief Eng.

Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? -- and of the Donkey Boilers? yes

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

Surveyor examine all the mountings of the Main Boilers? -- and of the Donkey Boilers? yes

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? --

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

Approved oil retaining appliance fitted at the after end? -- State date of examination of Screw Shaft 20.1.55 State the wear down in the

Bush rewooded 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

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

Survey is not complete, state what arrangements have been made for its completion and what remains to be done. CS-case now completed see letter dated 3.12.54
 Done:- Vessel placed in dry dock, propeller, screw shaft, stern bush, sea connections and their fastenings examined and found to be placed in good order.

Completion of CS:- The following machinery parts have now been opened out, examined and found or placed in good condition:

ME- Nos. 2,5+6 cylinder covers, liners, pistons and rods.

Nos. 2+6 crossheads, crankshaft pins and rods.

Nos. 2+6 crossheads, crankshaft pins and bearings.

Nos. 2,7,+8 crank journals and bearings.

All valves and valve gears, all O.F. injection pumps.

All shaft driven bilge, salt water cooling and L.O. pumps.

Thrust and intermediate shafts, with their bearings.

Aux. oil engine generator set (new).

Observations, Opinion, and Recommendation:—

P.T.O.

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 any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, etc.)

The machinery of this vessel, as far as now seen, is in good order, and eligible in my opinion to remain as now classed with fresh records of + LMC(CS) 2.55, DBS 2.55, and TS(CD) 1.55.

CS 70. 0. 0.
 DBS 5. 0. 0.
 TS 10. 0. 0.
 Electr. Exam. £12. 10. 0.
 Addit. & Conversion to £55. 0. 0.
 Repair Fee (if any) (per Section 23.)
 Expenses (if chargeable) £7. 0. 0.

Fees applied for, £12. 10. 0.
 Received by me, 19.

Engineer Surveyor to Lloyd's Register of Shipping.

Surveyor's Minute

+ LMC CS 2.55
 S. 1.55 DBS 2.55

CERTIFICATE WRITTEN.

Lloyd's Register Foundation

012142-012147-0197

For completion of CS:-
cont'd

Both generator steam engines.

Fan engine.

Both starting air compressores and their steam engines. Air coolers tested.

Both salt water cooling pumps, both bilge pumps (replaced). G.S.- pumps.

Both O.F. transfer pumps and both O.F. injection valve cooling pumps.

Both O.F. pressure pumps and O.F. heaters. } tested.

Both feed water pumps and feed heater. }

L.O. cooler, tested. L.O.-standby pump.

Aux. condenser and evaporator tested.

Pumping arrangement, valves, cocks, pipes and strainers tested,

Both daily service tanks and their fittings. Starting air receiver.

Windlass and steering gear.

Electrical installation.

For DBS:-

P+S donkey boilers examined internally and externally together with their mauntings, manholes, doors and their fastenings, O.F. burning arrangement examined under working conditions and found in good order. Safety valves adjusted under steam to the above stated pressure. Steam smothering arrangement verified.

Control rods checked. Screw shaft liner machined true, lignum vitae in stern bush renewed.

Machinery Repairs (W+T):- M E 2,5 +6 cylinder covers, pistons and valves of all covers dressed.

No. 2 cylinder liner and No. 5 cylinder cover, jacket and liner renewed, tested.

Nos. 2+6 crankpin bearings remetalled. All other bearings adjusted.

All shaft driven bilge, salt water cooling and L.O. pumps and all independent pumps and auxiliary machinery including pumping arrangement, windlass and steering gear thoroughly overhauled.

Machinery Additions & Alterations

One 4 -cyl. 4SCSA oil engine generator set of 75 BHP 45 KW, has now been satisfactorily installed together with the necessary pipes and fittings, on stbd. side forward of the engine room floor, examined under working conditions on completion and left in good order. Cert. Hannover 55/2 attached herewith.

This vessel has now been converted to an Ore carrier having 4 Ore holds, the wing tanks converted to ballast tanks and ballast tanks formed below ore holds, no petroleum to be carried. The bilge and ballast lines in cargo holds and tanks have been fitted in accordance with approved plan No SKR 14a, dated Hamburg 3.1.55. The 2 existing stripping pumps of forward and after pump rooms, each having a capacity of 60 m³/h have now been removed, thoroughly overhauled, and installed in the engine room to replace the 2 original bilge pumps, which have now been removed from the vessel. The existing cargo oil pumps in the after pump room are now in use as ballast pumps.

Electrical Installation:-

One additional 45 KW-DC generator has now been satisfactorily installed, and connected to the main switchboard, which has been overhauled and modified accordingly. Cert. Hamburg No. 6305 attached herewith. Generator set examined under working conditions and found good. Generators, switchboard, cables and fittings examined. Insulation resistance measured on completion of repairs and left in good order.

Donkey Boiler Repairs:-

Minor repairs only.

Main and auxiliary machinery including pumping arrangements, windlass and steering gear examined under working conditions on completion of repairs and left in good order.

A. G.



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