

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

(Excluded at London Office)

31 JAN 1951

Date of writing Report 15th January, 1951. When handed in at Local Office 19. Port of Bremen.

No. in Survey held at Vegesack and Bremerhaven Date. First Survey 17th May Last Survey 4th August 1950. (No. of Visits 16)

2497 on the Machinery of the Wood, Iron or Steel M.T. "HERBRAND"

Gross 9132 Vessel built at Copenhagen By whom Akt. Burmeister & Wain When 1935 2  
 Net 5483 Re-Engines made at Vegesack By whom Bremer Vulkan When 1950  
 Nominal 807 Boilers, when made (Main) (Donkey) Bremer Vulkan, 1950.  
 of Main Boilers Owners Skibs A/S Herbjorn Owners' Address -  
 of Donkey Boilers 2 Managers S. Herlofson & Co. Port Moss Voyage Abadan  
 Steam Pressure -  
 in Main Boilers  
 in Donkey Boilers 180 If Surveyed Afloat or in Dry Dock Both (State name of Dock.) Norddeutsche Lloyd, Bhn.

### 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.E., if any)
100 Al 9.49		LMC 8.46
ssRot. -8.46		DBS 3.49
		CL 12.48
Carrying petroleum in bulk		

Report No. Port Particulars of Examination and Repairs (if any) Special Survey, Boiler & TS

Medical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the cause of Repairs, if any, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and besides 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.

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.

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

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

Donkey Yes, new D.B.s installed

What parts of the Boilers could not be thus thoroughly examined? see first entry report

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?

latest date of internal examination of each boiler 8.50

Present condition of funnel(s) new

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

Did the Surveyor examine the Safety Valves of the Donkey Boilers? yes To what pressure were they afterwards adjusted under steam?

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

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? and of the Donkey Boilers? yes

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?

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

Is an approved oil retaining appliance fitted at the after end? State date of examination of Screw Shaft 8.50 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

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

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

AL SURVEY, Docking, propeller and fastenings, sea connections (opened up), examined, found, or placed in good condition. Propellers, and screw shafts were renewed afloat by tipping the vessel while re-engining at the Bremer Vulkan at Vegesack.

Port and starboard main engines, thrust blocks and shafts intermediate shafts, stern bushes and propellers, examined (see first entry report).

Main engine alignment was carefully checked, the bolting and chocking was good. (New engine foundations built for the ship, see Hull Report).

GENERATORS: 2 exstg. 4 cyl. Polar Diesel Generators, cyl. covers, valves, top and bottom ends, journals and their bearings, shafts examined.

1. Humboldt Deutz Diesel Generator, cylinders, covers, valves, top and bottom ends, journals, and their bearings,

engine cooling water pumps (new), 1 fresh, 1 sea water, 1 reserve (either service), with motors to Lloyd's built by Lloyd Dynamo Werke.

### 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 or LMC 9.11 or LMC 140 lb., PD, &c.)

As the requirements for Special Survey having been completed, the machinery of this vessel is now in good and efficient condition, and eligible in my opinion to remain as classed with fresh record of LMC 8.50, NE 8.50, (2), 8.50, both S (CL) N.8.50.

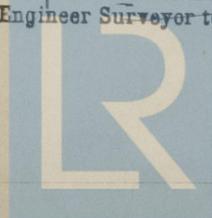
Old work 15 : 0 : 0  
 Fee (per Section 29) Electrical 24 0 0  
 Damage or Repair Fee (if any) 2.30 : 0 : 0  
 (per Section 29.) Late Visit 5 5 0  
 Printing expenses (if chargeable) 2 8 : 0 : 0

Fees applied for A/o rendered from London 2/3/51 Received by me, 19

Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 23 FEB 1951

Committee's Minute See minute on L 238



Lloyd's Register Foundation

004866 004872 0216

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

As a Certificate required? If so, to be sent to

"HERBRAND"

Ballast pump (steam Duplex) opened up, examined and overhauled.  
 General service, (electric gear driven), opened up, examined and overhauled.  
 2 Main compressors (electric drive), opened, examined and overhauled.  
 Cooling water pump for aux. generators, opened up, examined and overhauled.  
 2 Fuel oil pumps, 1 steam and 1 electric, opened up, examined and overhauled.  
 2 Coolers, water, tested 5 ATU, 25.5.50 J.P.G.  
 2 Coolers, oil, tested, 10 ATU, 18.4.50 J.P.G.  
 Starting air vessels, 1 old (forward air vessel examined internally together with mountings,  
 1 new, built by the Engine Builders to approved plan, stamped No.240, LLOYD'S TEST, W.P.  
 30 ATU, T.P. 44 ATU, 25.5.50 J.P.G.

1 Aux. condenser, built by engine builders to Lloyd's Survey tested 2 ATU, 1.6.50, J.P.G.  
 Condenser cooling water pump opened up, examined and overhauled.  
 2 Daily service tanks, opened up, examined and overhauled.  
 2 Aux. compressor stage, opened up, examined and overhauled.  
 1 Fan engine) Built under survey by Engine Builders  
 2 Fuel unit pumps) do  
 Fuel unit filters) do  
 Heaters and lines tested to 32 ATU, 25.5.50, J.P.G.  
 Fuel unit heaters) do  
 Starting air lines piping solid drawn, steel (approved material) tested.  
 and windlass  
 Steering engine opened up, examined and overhauled.

ELECTRICAL, Diesel Generator motors, opened, cleaned, stoved and varnished.  
 About 50% aux. motors renewed under Survey, remainder cleaned, examined, and tested.  
 Wiring, main, from generators to switch board, from switchboard to midship, and to forecastle. Flying bridge  
 wiring conduited and fitted with expansion bends. Defective wiring to motors made good, and electrical installation  
 megger tested and found, or put in good order.

DONKEY BOILERS, new, see first entry report. Port boiler fitted for exhaust gas and oil firing.  
 Steam pipes exam'd & tested to Rule Requirements.  
 Fire extinguishing, foam and steam, extend spindles for oil and steam shut off led to deck, requirements in  
 accordance with the Rules.  
 Pumping connections examined.  
 New sea injections, valves fitted on port and starboard sides, as per approved plan, dated 14/6/50.  
 Approved plan bilge and ballast dated 24/3/50.  
 " " fuel oil units " 24/3/50.  
 " " air starting pipe lines " 24/3/50.  
 Spare gear in accordance with Rule Requirements.  
 Satisfactory sea trials witnessed.

*J. Clancy*

Rpt. 41  
 Date of v  
 No. in  
 Reg. Boo  
 210  
 1847  
 Built at  
 Engines  
 Donkey  
 Brake H  
 M.N. Po  
 Trade fo  
 OIL EN  
 Maximu  
 Mean I  
 from in  
 Flywhee  
 Crank  
 Shaft,  
 Flywhee  
 Tube SH  
 Bronze  
 propelle  
 If the l  
 corrosiv  
 nd of tu  
 Propelle  
 Moment  
 Method  
 Lubricat  
 or lagge  
 back to  
 Bilge P  
 Pumps  
 's the co  
 arrange  
 Ballast  
 are two  
 bilge pu  
 n holds  
 independ  
 Are all  
 accessibi  
 Are all S  
 sufficien  
 are they  
 That pr  
 That pr  
 are all  
 the an  
 paces, o  
 a wood  
 Main A  
 uxilia  
 small A  
 hat pr  
 aveng  
 uxilia  
 ve th