

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY

No. 31892

25 AUG 1936

Date of writing Report _____ When handed in at Local Office 24 AUG 1936 Port of Sunderland
 No. in Survey held at Sunderland Date, First Survey 19 March Last Survey 21 Aug 1936
 Reg. Book _____ on the Steel Screw Steamer "ST MARGARET" (Number of Visits 56)
 Built at Sunderland By whom built J.R. Thompson & Sons Ltd Yard No. 524 Tons { Gross 4312
 Engines made at Newcastle on Tyne By whom made White's Mar. Eng. Co. Ltd Engine No. 5c When built 1936
 Boilers made at Sunderland By whom made G. Clark (1936) Ltd Boiler No. 1194 When made 1936
 Registered Horse Power _____ Owners St. Quentin Shipping Co. Ltd Port belonging to Newport
 Nom. Horse Power as per Rule 304 Is Refrigerating Machinery fitted for cargo purposes No. Is Electric Light fitted Yes.
 Trade for which Vessel is intended _____

ENGINES, &c.—Description of Engines Please see N.W.C. Rpt. No 93904. Revs. per minute 62.
 No. of Cylinders _____ Length of Stroke _____ No. of Cranks _____
 Crank shaft, d.a. of journals _____ Crank pin dia. _____ Crank webs _____
 Intermediate Shafts, diameter _____ Thrust shaft, diameter at collars _____
 Main Shafts, diameter _____ Screw Shaft, diameter _____
 Bronze Liners, thickness in way of bushes _____ Thickness between bushes _____
 Propeller boss _____ If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner one length.
 Propeller, dia. 14'-6" Pitch 19'-11" No. of blades 4 Material Brass whether Moveable No. Total Developed Surface 99.5 sq. feet
 Main Pumps worked from the Main Engines, No. _____ Diameter _____ Stroke _____ Can one be overhauled while the other is at work _____
 Auxiliary Pumps worked from the Main Engines, No. _____ Diameter _____ Stroke _____ Can one be overhauled while the other is at work _____
 Bilge Pumps, No. and size 1 @ 9" x 11" x 10" Lubricating Oil Pumps, including spare Pump, No. and size 2 @ 6" x 5 1/2" x 15"
 Oil Cooler _____ Suctions, connected to both Main Bilge Pumps and Auxiliary _____
 Pumps;—In Engine and Boiler Room 4 @ 3" 1 @ 2 1/2" in Tunnel well. In Holds, &c. Forehold 3" p.r.s. Main hold 3" p.r.s.
 Water Circulating Pump Direct Bilge Suctions, No. and size 1 @ 8" Independent Power Pump Direct Suctions to the Engine Room Bilges, _____
 Sea Connections filled direct on the skin of the ship Yes. Are they fitted with Valves or Cocks Both.
 Blow Off Cocks fitted with a spigot and brass covering plate Yes. Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes.
 Pipes pass through the bunkers Forward bilge Suctions How are they protected Wood Casing
 Pipes pass through the deep tanks no deep tank Have they been tested as per Rule Yes.
 Shaft Tunnel watertight Yes. Is it fitted with a watertight door Yes. worked from ER. top gratings.

MAJOR BOILERS, &c. (Letter for record S.) Total Heating Surface of Boilers 3430 sq. ft.
 No. and Description of Boilers 2 SB. Working Pressure 230.
 REPORT ON MAIN BOILERS NOW FORWARDED? Yes.
 DONKEY BOILER FITTED? No. If so, is a report now forwarded? _____
 Donkey boiler intended to be used for domestic purposes only _____
 Plans forwarded herewith for Shafting Retained for Sister Vessel. Auxiliary Boilers _____
 Plans forwarded herewith for General Pumping Arrangements Retained for Sister Vessel. Oil fuel Burning Piping Arrangements _____
 Plans forwarded herewith for Donkey Boilers Retained for Sister Vessel.

SPARE GEAR. _____
 Spare gear required by the Rules been supplied Yes.
 Principal additional spare gear supplied See N.W.C. Rpt. No 93904.

One Cast Iron Propeller, 2 safety valve springs, 1 main & 1 aux. feed check valve, 1 main stop valve lid, 2 blow down valve lids.

The foregoing is a correct description,
 FOR GEORGE CLARK (1936) LTD.
 Manufacturer.



1936. *May 19, Apr. 1, 3, 7, 15, 17, 20, 23, 27, 28, 30, May 4, 6, 8, 11, 12, 13, 14, 15, 18, 20, 22, 25, 27, 29*
 During progress of work in shops -- *June 5, 8, 9, 12, 15, 16, 17, 18, 19, 22, 26, 29, 30, July 6, 8, 10, 13, 17, 20, 27, 29, 30, Aug 4, 6, 7, 8, 13*
 Dates of Survey while building During erection on board vessel --- *17, 18, 21*
 Total No. of visits *56*

Dates of Examination of principal parts—Cylinders ✓ Slides ✓ Covers ✓
 Pistons ✓ Piston Rods ✓ Connecting rods ✓
 Crank shaft ✓ Thrust shaft ✓ Intermediate shafts *17/6/36*
 Tube shaft ✓ Screw shaft *12/5/36* Propeller *3/4/36 (Hamburg)*
 Stern tube *18/5/36 18/6/36* Engine and boiler seatings *13/5/36 20/4/36* Engines holding down bolts *20/4/36*
 Completion of fitting sea connections *13/5/36*
 Completion of pumping arrangements *18/8/36* Boilers fixed *20/4/36* Engines tried under steam *18/8/36*
 Main boiler safety valves adjusted *18/8/36* Thickness of adjusting washers *Stand 5 1/16" Pad 5 5/16"*
 Crank shaft material ✓ Identification Mark *No 402 W.H.F. 17/6/36* Thrust shaft material *Ingot Steel* Identification Mark *No 2319 C.H.L.F. 7/5/36*
 Intermediate shafts, material *Ingot Steel* Identification Marks *No 402 W.H.F. 15/5/36* Tube shaft, material ✓ Identification Mark ✓
 Screw shaft, material *Ingot Steel* Identification Mark *No 402 W.H.F. 15/5/36* Steam Pipes, material *S.D. Steel* Test pressure *690 lb/10"* Date of Test *14/8/36*
 Is an installation fitted for burning oil fuel? *Yes* Is the flash point of the oil to be used over 150°F. *Yes*
 Have the requirements of the Rules for the use of oil as fuel been complied with *Yes*
 Is the vessel (not being an oil tanker) fitted for carrying oil as cargo *No* If so, have the requirements of the Rules been complied with ✓
 If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with *Not desired*
 Is this machinery duplicate of a previous case *Yes* If so, state name of vessel *S.S. "ST. HELENA"*

General Remarks (State quality of workmanship, opinions as to class, &c.)
*This Machinery has now been securely fixed on board the vessel and tried under working conditions at Quay with satisfactory results.
 The Machinery is now eligible, in my opinion to have the notation +LHC 8-36 T.S. (CL) fitted for oil fuel 8-36 (F.P. above 150°F) in the Register book.*

The amount of Entry Fee ... £ *28-5* : When applied for, *NWC 19*
 Special *14-2* :
 Donkey Boiler Fee :
 (Charged on Nine Rpts.) :
 Travelling Expenses (if any) £ :
 When received, *4. 8. 1936*

Wm. Hasler & M. Caldwell
 Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute *FRI. 28 AUG 1936*

Assigned *+ Linc 8-36*
 Fitt. for oil fuel 8-36
S.P. above 150°F
22, 5/16"

