

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY

No. 31892

Date of writing Report

When handed in at Local Office

Received at London Office

25 AUG 1936

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 \_\_\_\_\_

GINES, &c.—Description of Engines Please see Nwc. 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 \_\_\_\_\_  
 Liners, thickness in way of bushes \_\_\_\_\_ Thickness between bushes \_\_\_\_\_  
 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 \_\_\_\_\_  
 Auxiliary Pumps worked from the Main Engines, No. \_\_\_\_\_ Diameter \_\_\_\_\_ Stroke \_\_\_\_\_  
 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"  
 Independent means arranged for circulating water through the Oil Cooler Yes. 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.  
 Aft main hold 3 1/2" p.r.s. aft 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,  
 and size 1 @ 4 1/2" Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes Yes.  
 Sea Connections fitted direct on the skin of the ship Yes. Are they fitted with Valves or Cocks Both.  
 Are they fitted with Valses or Cocks Both. Are the Overboard Discharges above or below the deep water line Below.  
 Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes.  
 How are they protected Wood Casing Have they been tested as per Rule Yes.  
 Is the Shaft Tunnel watertight Yes. Is it fitted with a watertight door Yes. worked from ER. top frating.

MAIN BOILERS, &c. (Letter for record S.) Total Heating Surface of Boilers 3430 sq. ft.  
 Draft fitted Yes. 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 \_\_\_\_\_  
 Are approved plans forwarded herewith for Shafting Yes. Retained for \_\_\_\_\_  
 (If not state date of approval) \_\_\_\_\_ Retained for \_\_\_\_\_  
 General Pumping Arrangements \_\_\_\_\_ Oil fuel Burning Piping Arrangements \_\_\_\_\_  
 Spare gear required by the Rules been supplied Yes. SPARE GEAR. \_\_\_\_\_  
 principal additional spare gear supplied See Nwc. Rpt. No 93904.

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

The foregoing is a correct description,

FOR GEORGE CLARK (1936) LTD

Manufacturer.



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Lloyd's Register  
Foundation

W116-0114



1936. *May 19, Apr. 13, 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, 14*  
 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 *14/6/36*  
 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 7/16" Port 5 3/16"*  
 Crank shaft material ✓ Identification Mark *No 402 W.H.F. 17/6/36* Thrust shaft material *Engt. Steel* Identification Mark *No 2319 C.H.L.F. 4/5/36*  
 Intermediate shafts, material *Engt. Steel* Identification Marks *No 402 W.H.F. 15/5/36* Tube shaft, material ✓ Identification Mark ✓  
 Screw shaft, material *Engt. Steel* Identification Mark *No 402 W.H.F. 15/5/36* Steam Pipes, material *S.D. Steel* Test pressure *690 lb* 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 successfully 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.*

Certificate to be sent to the Surveyors are requested to write on or below the space for Committee's Minute.

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

Committee's Minute *FRI. 28 AUG 1936*

Assigned *+ Linc 8.36*  
*fitted for oil fuel 8.36*  
*3. P. above 150°F*  
*22, 5/16"*

*Wm. H. Casser. & M. Caldwell*  
 Engineer Surveyor to Lloyd's Register of Shipping