

Rpt. 4.

No. 53287.

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

21 JAN 1946

Received at London Office 22 JAN 1946

Date of writing Report 19... When handed in at Local Office 19... Port of Hull

No. in Survey held at Burly Date, First Survey 14.6.45 Last Survey 1.1.1946
 Reg. Book "BULBY" (Number of Visits 44) Tons { Gross 361
 Net 139

Built at Burley By whom built Cole, Weller & Lunnell Ltd Yard No. 756 When built 1946

Engines made at Hull By whom made Charles D. Holme Ltd Engine No. 1714 When made "

Boilers made at Hull By whom made Charles D. Holme Ltd Boiler No. 1714 When made "

Registered Horse Power M.N. Owners The Boston Deep Sea Fishing & Ice Co Ltd Port belonging to Hatfield

Nom. Horse Power as per Rule 94 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

Trade for which vessel is intended Steam Trawler - Ocean going service

ENGINES, &c.—Description of Engines Triple expansion steam reciprocating Revs. per minute 120

Dia. of Cylinders 12 1/2, 21 1/2, 35 Length of Stroke 26 No. of Cylinders 3 No. of Cranks 3

Crank shaft, dia. of journals as per Rule Crank pin dia. 7 3/8 Crank webs Mid. length breadth 14" Thickness parallel to axis 4 1/8"
as fitted 7 3/8 Mid. length thickness 4 7/8" Thickness around eye-hole 3 5/16"

Intermediate Shafts, diameter as per Rule Thrust shaft, diameter at collars as per Rule
as fitted 4 1/8" as fitted 7 3/8"

Tube Shafts, diameter as per Rule Screw Shaft, diameter as per Rule Is the { tube } shaft fitted with a continuous liner { yes
as fitted as fitted 4 7/8 top of cone screw }

Bronze Liners, thickness in way of bushes as per Rule Thickness between bushes as per Rule Is the after end of the liner made watertight in the
as fitted 9/16" as fitted 15/32" propeller boss yes If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner ✓

If the liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive ✓

If two liners are fitted, is the shaft lapped or protected between the liners ✓ Is an approved Oil Gland or other appliance fitted at the after end of the tube
at If so, state type ✓ Length of Bearing in Stern Bush next to and supporting propeller 2'-10 1/2"

Propeller, dia. 9'-8" Pitch 10-4 1/2" No. of Blades 4 Material C.I. whether Moveable no Total Developed Surface 36 sq. feet

Feed Pumps worked from the Main Engines, No. ONE Diameter 2 3/4" Stroke 14 1/2" Can one be overhauled while the other is at work ✓

Bilge Pumps worked from the Main Engines, No. ONE Diameter 2 3/4" Stroke 14 1/2" Can one be overhauled while the other is at work ✓

Feed Pumps { No. and size ONE 2 3/4" x 14 1/2" ONE 6 x 4 1/4 x 6 Pumps connected to the { No. and size ONE 2 3/4" x 14 1/2" ONE 6 x 4 1/4 x 6 ONE 2 1/2
 How driven M.E. Ind. Steam Main Bilge Line How driven M.E. Ind. Steam Bilge Injector (Steam)

Ballast Pumps, No. and size NONE Lubricating Oil Pumps, including Spare Pump, No. and size none

Are two independent means arranged for circulating water through the Oil Cooler ✓ Suctions, connected to both Main Bilge Pumps and Auxiliary
 Bilge Pumps:—In Engine and Boiler Room E.R. one 2" BR ONE 2"

In Pump Room NONE In Holds, &c. ONE 2" in each of following spaces:—fore hold, store
 room, main fish room, spare fish room, forward slush well, aft slush well

Main Water Circulating Pump Direct Bilge Suctions, No. and size ONE 2 1/2" bilge ejection Independent Power Pump Direct Suctions to the Engine Room Bilges,
 No. and size ONE 2 1/2" bilge ejection Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes yes

Are the Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges yes

Are all Sea Connections fitted direct on the skin of the ship yes Are they fitted with Valves or Cocks both

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates yes Are the Overboard Discharges above or below the deep water line above

Are they each fitted with a Discharge Valve always accessible on the plating of the vessel yes Are the Blow Off Cocks fitted with a spigot and brass covering plate yes

What Pipes pass through the bunkers toward bilge suction How are they protected Heavy welded steel plates

What pipes pass through the deep tanks none Have they been tested as per Rule ✓

Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times yes

Is the arrangement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one
 compartment to another yes Is the Shaft Tunnel watertight part of E.R. Is it fitted with a watertight door ✓ worked from ✓

MAIN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 1710 sq. ft

Which Boilers are fitted with Forced Draft none Which Boilers are fitted with Superheaters none

No. and Description of Boilers ONE S.B. Working Pressure 210 lbs

IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes

IS A DONKEY BOILER FITTED? no If so, is a report now forwarded? ✓

Can the donkey boiler be used for domestic purposes only ✓

PLANS. Are approved plans forwarded herewith for Shafting 5.3.45 Main Boilers 24.4.46 Auxiliary Boilers ✓ Donkey Boilers ✓
 (If not state date of approval)

Superheaters ✓ General Pumping Arrangements 17.4.45 Oil fuel Burning Piping Arrangements ✓

SPARE GEAR.

Has the spare gear required by the Rules been supplied yes

State the principal additional spare gear supplied Please see attached list.

The foregoing is a correct description.
 FOR CHARLES D. HOLMES & CO., LTD.

C. R. Evans Manager

Manufacturer.

Dates of Survey while building	During progress of work in shops - -	June 14, 18, 21, July 5, 6, 13, 21, Aug. 14, 18, 21, 24, 28, 30, Sept. 1, 5, 6, 7, 8, 10, 11, 17, 24, 28.
		Oct. 15, 16, 22, 21, Nov. 14, 19, 27, Dec. 1.
	During erection on board vessel - - -	Oct. 8, 18, 22, Nov. 12, 22, 30, Dec. 4, 8, 10, 12, 13, 27, Jan. 1.
Total No. of visits		44.

Dates of Examination of principal parts—Cylinders	11. 9. 45	Slides	24. 9. 45	Covers	24. 9. 45
Pistons	24. 9. 45	Piston Rods	6. 9. 45	Connecting rods	8. 9. 45
Crank shaft	18. 8. 45	Thrust shaft	1. 9. 45	Intermediate shafts	5. 7. 45
Tube shaft	✓	Screw shaft	17. 9. 45	Propeller	17. 9. 45
Stern tube	8. 10. 45	Engine and boiler seatings	13. 11. 45	Engines holding down bolts	30. 11. 45
Completion of fitting sea connections	8. 10. 45				
Completion of pumping arrangements	12. 12. 45	Boilers fixed	22. 11. 45	Engines tried under steam	8/12/45 12/12/45
Main boiler safety valves adjusted	8. 12. 45	Thickness of adjusting washers	P 3/8 5 11/32		
Crank shaft material	F. I. STEEL	Identification Mark	JD 18. 8. 45	Thrust shaft material	F. I. STEEL
Intermediate shafts, material	D°	Identification Marks	JD 5. 7. 45	Tube shaft, material	NONE
Screw shaft, material	D°	Identification Mark	WSS 17. 9. 45	Steam Pipes, material	COPPER
Is an installation fitted for burning oil fuel	NO	Is the flash point of the oil to be used over 150° F.	✓		
Have the requirements of the Rules for the use of oil as fuel been complied with	✓				
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	✓				
Is this machinery duplicate of a previous case	YES	If so, state name of vessel	ABY		

General Remarks (State quality of workmanship, opinions as to class, &c.)

This vessel's machinery has been built & installed under special survey in accordance with the Society's Rules and Regulations and in accordance with the Secretary's letters. The workmanship and materials are good. The machinery has been tried under working conditions with satisfactory results and is eligible to be recorded in the Register Book.

+LMC 1,46 T.S.C.L. T.3cy 12 1/2", 21 1/2" 35" -26"
210 lbs. 94 M.N. 15 B. 3cf 48.50 H.S. 1410.

The amount of Entry Fee	... £	2 : 0 0	When applied for,
Special	... +LMC	£ 23 : 10 0	JAN 1946
Donkey Boiler Fee	... £	:	When received,
Travelling Expenses (if any)	£	:	19.

Committee's Minute

FRI. 15 FEB 1946

Assigned +LMC 1,46

G.L.

W.S. Shivers
Engineer Surveyor to Lloyd's Register of Shipping.



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