

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

28 OCT 1930

Date of writing Report 27. 10. 30 When handed in at Local Office 27 Oct 1930 Port of HULL
 No. in Survey held at HULL Date, First Survey 26 May Last Survey 24 Oct 1930
 Reg. Book. 61507 on the STEAM TRAWLER "KÓPANES." (Number of Visits 27) Gross 397.00
 Tons Net 151.10
 Built at Beverley By whom built Hook, Welton & Gemmell Ltd. Yard No. 555 When built 1930
 Engines made at Hull By whom made Amos & Smith Ltd. Engine No. 616 When made 1930
 Boilers made at Hull By whom made Amos & Smith Ltd. Boiler No. 616 When made 1930
 Registered Horse Power Owners Oddsson & Co, Ltd Port belonging to Hull
 Nom. Horse Power as per Rule 108 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes
 Trade for which Vessel is intended Fishing

ENGINES, &c.—Description of Engines Triple Expansion Revs. per minute
 Dia. of Cylinders 13½" 23½" 38½" Length of Stroke 26" No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 7.5" as fitted 7.4" Crank pin dia. 4¾" Crank webs Mid. length breadth 15" Thickness parallel to axis 4¾"
 Mid. length thickness 4¾" Thickness around eye-hole 3½"
 Intermediate Shafts, diameter as per Rule 7.2" as fitted 7½" Thrust shaft, diameter at collars as per Rule 7.5" as fitted 7¾"
 Tube Shafts, diameter as per Rule 8.1" as fitted 8¾" Is the shaft fitted with a continuous liner yes
 Screw Shaft, diameter as per Rule 5/8" as fitted 5/8" Is the after end of the liner made watertight in the
 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 ✓
 shaft ✓ If so, state type ✓ Length of Bearing in Stern Bush next to and supporting propeller 36"
 Propeller, dia. 10' 5" Pitch 10' 9" No. of Blades 4 Material 2.1 whether Moveable no Total Developed Surface 38 sq. feet
 Feed Pumps worked from the Main Engines, No. two Diameter 2¾" Stroke 13" Can one be overhauled while the other is at work ✓
 Bilge Pumps worked from the Main Engines, No. two Diameter 2¾" Stroke 13" Can one be overhauled while the other is at work ✓
 Feed Pumps { No. and size One 6¾" x 4¾" x 6 Pumps connected to the { No. and size One 6¾" x 4¾" x 6 and 2½" ejector
 How driven Steam Main Bilge Line How driven Steam
 Ballast Pumps, No. and size ✓ Lubricating Oil Pumps, including Spare Pump, No. and size ✓
 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 3 @ 2" In Holds, &c. 4 @ 2"
 In Pump Room ✓

Main Water Circulating Pump Direct Bilge Suctions, No. and size One 4" Independent Power Pump Direct Suctions to the Engine Room Bilges,
 No. and size One 2½" ejector 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 & strums
 Are all Sea Connections fitted direct on the skin of the ship yes Are they fitted with Valves or Cocks Rock
 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 Forward suction How are they protected wood casing
 What pipes pass through the deep tanks ✓ Have they been tested as per Rule yes
 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 ✓ Is it fitted with a watertight door ✓ worked from ✓

MAIN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 1912 square feet
 Is Forced Draft fitted no No. and Description of Boilers One single ended Working Pressure 210 lb sq"
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? yes
 IS A DONKEY BOILER FITTED? no If so, is a report now forwarded? ✓
 Is the donkey boiler intended to be used for domestic purposes only ✓
 PLANS. Are approved plans forwarded herewith for Shafting ✓ Main Boilers yes Auxiliary Boilers ✓ Donkey Boilers ✓
 (If not state date of approval) Superheaters ✓ General Pumping Arrangements yes Oil fuel Burning Piping Arrangements ✓

SPARE GEAR.

Has the spare gear required by the Rules been supplied
 State the principal additional spare gear supplied 2 Bolts & nuts for top ends, bottom ends and
main bearings. Set of coupling bolts and nuts.
air, feed, bilge and donkey pump valves. Safety valve spring.
main and donkey check valves and seats. circulating pump spindle.
Set of pump relief valve springs. Bolts and iron of various sizes.

FOR AMOS & SMITH LTD.

The foregoing is a correct description,

Manager

Manufacturer.



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Lloyd's Register
Foundation

002232 002240 0160

1930. May 26. June 23. July 3. 7. 23. 24. 30 Aug 7. Sept 1. 7. 10. 11. 15. 18. 22.
23. 26. 27. Oct 1. 13. 15. 17. 18. 20. 21. 24.

Dates
of Survey
while
building

During progress of
work in shops - -

During erection on
board vessel - - -

Total No. of visits

ny.

Dates of Examination of principal parts—Cylinders 24-7-30 Slides 24-7-30 Covers 24-7-30
Pistons 24-7-30 Piston Rods 24-7-30 Connecting rods 24-7-30
Crank shaft 23-7-30 Thrust shaft 30-7-30 Intermediate shafts 1-9-30
Tube shaft ✓ Screw shaft 23-7-30 Propeller 23-9-30
Stern tube 30-7-30 Engine and boiler seatings 21-10-30 Engines holding down bolts 21-10-30
Completion of fitting sea connections 23-9-30
Completion of pumping arrangements 24-10-30 Boilers fixed 21-10-30 Engines tried under steam 24-10-30
Main boiler safety valves adjusted 24-10-30 Thickness of adjusting washers P. $\frac{3}{8}$ " S. $\frac{11}{32}$ "
Crank shaft material Steel Identification Mark *Lloyds 560* Thrust shaft material Steel Identification Mark *Lloyds 560*
Intermediate shafts, material Steel Identification Marks *Lloyds 560* Tube shaft, material ✓ Identification Mark ✓
Screw shaft, material Steel Identification Mark *Lloyds 560* Steam Pipes, material *S.D. Copper* Test pressure 420 lb Date of Test 20-10-30
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 ✓ 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 *no* If so, state name of vessel ✓

General Remarks (State quality of workmanship, opinions as to class, &c. *the machinery of this vessel has been built under special survey, the materials and workmanship being sound and good.*

It has been satisfactorily fitted on board, tried under working conditions and found in good order.

It is eligible, in my opinion, to have record of
+ L.M.C. 10, 30. C.L.

*It is submitted that
this vessel is eligible for
THE RECORD. + L.M.C. 10.30 C.L.*

29/10/30

Certificate to be sent to
The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee ... £ 3 : 0 :
Special ... £ 27 : 0 :
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ : :
When applied for, 27 Oct 1930
When received, 29.10.1930

b. Moffatt
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 31 OCT 1930

Assigned

+ L.M.C. 10.30

CERTIFICATE WRITTEN
C.L.



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