

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

31 OCT 1949

of writing Report 26/9 1949 When handed in at Local Office 19 Port of Rotterdam  
 in Survey held at Rotterdam Date, First Survey 15/10 1948 Last Survey 22/9 1948  
 eg. Book "EGBERT-VINKE" (A.M. 12) ex "Shonan Maru 2" (Number of Visits 23)  
 033 on the Osaka By whom built Osaka Iron Works Yard No. Tons Gross 355.75  
 Net 30.80  
 When built 1938  
 Engines made at Osaka By whom made Osaka Iron Works Ltd Engine No. When made 1938  
 Boilers made at Osaka By whom made Osaka Iron Works Ltd Boiler No. When made 1938  
 Registered Horse Power 1300 Owners Ned. Maats. v. d. Walvisvaart Port belonging to Amsterdam  
 m. Horse Power as per Rule 165 MW 192 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes  
 Use for which vessel is intended Whale catcher Dimensions in m Ocean going

FINES, &c. Description of Engines Triple Expansion Engine Revs. per minute 126-130  
 a. of Cylinders 400-670-1120 Length of Stroke 700 No. of Cylinders 3 No. of Cranks 3  
 as per Rule app. Crank pin dia. 235 Mid. length breadth 350 Thickness parallel to axis 140  
 as fitted 230 Crank webs Mid. length thickness 140 shrunk Thickness around eye-hole 90.5  
 as per Rule 209.2 Thrust shaft, diameter at collars as per Rule app.  
 as fitted 230-215 at couplings  
 Intermediate Shafts, diameter as fitted 241 Is the tube screw shaft fitted with a continuous liner yes  
 as per Rule app. as fitted 15 Thickness between bushes as per Rule app. Is the after end of the liner made watertight in the  
 as fitted 12  
 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 one length  
 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  
 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 1090  
 Propeller, dia. 3150 Pitch 3774 No. of Blades 4 Material cast steel whether Movable no Total Developed Surface sq. feet  
 ed Pumps worked from the Main Engines, No. none Diameter Stroke Can one be overhauled while the other is at work  
 lge Pumps worked from the Main Engines, No. none Diameter Stroke Can one be overhauled while the other is at work  
 No. and size one duplex 150x102-160 Pumps connected to the No. and size one duplex 110-150-160, one duplex 102-135x102  
 How driven steam Main Bilge Line How driven steam  
 ullast Pumps, No. and size duplex 102-135x102 Lubricating Oil Pumps, including Spare Pump, No. and size hand lubrication  
 re two independent means arranged for circulating water through the Oil Cooler Suctions, connected both to Main Bilge Pumps and Auxiliary  
 lge Pumps:—In Engine and Boiler Room one 3 1/2", two 2", one 1 1/2" hose  
 Pump Room near settling tanks one 2" In Holds, &c. one 2", the one 2"

ain Water Circulating Pump Direct Bilge Suctions, No. and size one 5 1/2" Independent Power Pump Direct Suctions to the Engine and/or Boiler Room Bilges,  
 o. and size one 3 1/2" Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes yes  
 re 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 no  
 re all Sea Connections fitted direct on the skin of the ship yes, one maintained on steel chest Are they fitted with Valves or Cocks valves  
 re 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 below  
 re 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  
 That Pipes pass through the bunkers none How are they protected  
 That pipes pass through the deep tanks none Have they been tested as per Rule  
 re all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times yes  
 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 not tunnel Is it fitted with a watertight door worked from

AIN BOILERS, &c.—(Letter for record v) Total Heating Surface of Boilers 282.30 m<sup>2</sup>  
 Thick Boilers are fitted with Forced Draft yes Which Boilers are fitted with Superheaters none  
 o. and Description of Boilers one Scotch boiler, three furnaces Working Pressure 15.5 kg/cm<sup>2</sup>  
 S A REPORT ON MAIN BOILERS NOW FORWARDED? yes  
 S A DONKEY BOILER FITTED? no If so, is a report now forwarded?  
 an the donkey boiler be used for other than domestic purposes v  
 LANS. Are approved plans forwarded herewith for Shafting 4/2, 14/2 49 Main Boilers 4/2 49 Auxiliary Boilers v Donkey Boilers v  
 (If not state date of approval)  
 Superheaters v General Pumping Arrangements 13/1, 24/0 49 Oil fuel Burning Piping Arrangements 24/0 49

## SPARE GEAR.

as the spare gear required by the Rules been supplied yes  
 state the principal additional spare gear supplied one screw shaft, marked L.R. N° 300  
 P.F.W. 18-3-49  
 OFF: Cast steel spare propeller will be placed on board, whaler "Willem Barnter"

The foregoing is a correct description.

Manufacturer.



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Dates of Survey while building  
During progress of work in shops - -  
During erection on board vessel - - -  
Total No. of visits 23

Plan No. 9

Dates of Examination of principal parts - Cylinders 15/12 '48 Slides 15/12 '48 Covers 15/12 '48  
Pistons 15/12 '48 Piston Rods 15/12 '48 Connecting rods 15/12 '48  
Crank shaft 15/12 '48 Thrust shaft 25/3 '49 Intermediate shafts  
Tube shaft Screw shaft 27/5 '49 Propeller 27/5 '49  
Stern tube Engine and boiler seatings Engines holding down bolts

Completion of fitting sea connections  
Completion of pumping arrangements 22/9 '49 Boilers fixed Engines tried under steam 24/10 '49  
Main boiler safety valves adjusted 24/10 '49 Thickness of adjusting washers 26 1/2" Port 29 1/2"

Crank shaft material S17 steel Identification Mark Thrust shaft material S17 steel Identification Mark  
Intermediate shafts, material Identification Marks Tube shaft, material Identification Mark  
Screw shaft, material S17 steel Identification Mark L.R. 30X 10/13/49 Steam Pipes, material S17 steel Test pressure 31 lb Date of Test 1/3 '49

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 Fire extinguishers: 3-2 gallons foam apparatus.  
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo no one 2" hose in engine room with special nozzle

If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with yes

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 opened out, examined, dimensions checked and all found or made in accordance with the approved plans, Plan No. 9

Plan No. 9

The amount of Entry Fee ... £ ... : When applied for,  
Special ... £ ... : 19  
Donkey Boiler Fee ... £ ... :  
Travelling Expenses (if any) £ ... : When received, 19

Date FRI. 30 DEC 1949

Committee's Minute

See minutes on pg. rpt.

AcB. Jre  
Engineer Surveyor to Lloyd's Register of Shipping.



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