

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Date of writing Report 24/9 1949 When handed in at Local Office 19 Port of Rotterdam  
 No. in Survey held at Rotterdam Date, First Survey 15/10/1948 Last Survey 22/9 1949  
 Reg. Book 00032 on the "NELLIE VINKE" (AM 11) ex "Takman Maru 5"  
 Built at Osaka By whom built Osaka Iron Works Ltd. Yard No. 153 Tons { Gross 347.80  
 Engines made at Osaka By whom made Osaka Iron Works Engine No. 1937 When built 1937  
 Boilers made at Osaka By whom made Osaka Iron Works Boiler No. 1937 When made 1937  
 Registered Horse Power 1300 Owners Ned. Maats. vande Walvisvaart N.V. Port belonging to Amsterdam  
 Nom. Horse Power as per Rule 153 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes  
 Trade for which vessel is intended Whale catcher Dimensions in m.

ENGINES, &c.—Description of Engines Triple Expansion Engine Revs. per minute 130-140  
 Dia. of Cylinders 300-635-1060 Length of Stroke 700 No. of Cylinders 3 No. of Cranks 3  
 Crank shaft, dia. of journals as per Rule off Crank pin dia. 225 Mid. length breadth 330 Thickness parallel to axis 140  
 as fitted 220 Crank webs shrunk Mid. length thickness 140 Thickness around eye-hole 97.5  
 Intermediate Shafts, diameter as per Rule off Thrust shaft, diameter at collars as per Rule off  
 as fitted 220-205 at couplings  
 Tube Shafts, diameter as per Rule off Screw Shaft, diameter as per Rule off Is the { tube } shaft fitted with a continuous liner { yes  
 as fitted 231 { screw }  
 Bronze Liners, thickness in way of bushes as per Rule off Thickness between bushes as per Rule off Is the after end of the liner made watertight in the  
 as fitted 16 as fitted 92  
 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  
 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 1050  
 Propeller, dia. 2990 Pitch 3400 No. of Blades 4 Material cast steel whether Moveable no Total Developed Surface ✓ sq. feet  
 Feed Pumps worked from the Main Engines, No. none Diameter ✓ Stroke ✓ Can one be overhauled while the other is at work ✓  
 Bilge Pumps worked from the Main Engines, No. none Diameter ✓ Stroke ✓ Can one be overhauled while the other is at work ✓  
 Feed { No. and size one duplex 153-102 x 160 Pumps connected to the { No. and size one 110-150 x 160 duplex, one 4 3/4" x 9"  
 Pumps { How driven steam Main Bilge Line { How driven steam driven  
 Ballast Pumps, No. and size one duplex 110-150 x 160 Lubricating Oil Pumps, including Spare Pump, No. and size hand lubrication  
 Are two independent means arranged for circulating water through the Oil Cooler ✓ Suctions, connected both to Main Bilge Pumps and Auxiliary  
 Bilge Pumps:—In Engine and Boiler Room one 3 1/2", two 2", one 1 1/2" hose  
 In Pump Room man with tanks one 2" In Holds, &c. one 2", the one 2"  
 Main Water Circulating Pump Direct Bilge Suctions, No. and size one 2" 1/2" Independent Power Pump Direct Suctions to the Engine and/or Boiler Room Bilges,  
 No. and size one 2 3/4" 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 no  
 Are all Sea Connections fitted direct on the skin of the ship yes, main inlet on chest Are they fitted with Valves or Cocks valves  
 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 below  
 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 none How are they protected ✓  
 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 no tunnel Is it fitted with a watertight door ✓ worked from ✓

MAIN BOILERS, &c.—(Letter for record ✓) Total Heating Surface of Boilers 265.17 m<sup>2</sup>  
 Which Boilers are fitted with Forced Draft yes Which Boilers are fitted with Superheaters none  
 No. and Description of Boilers Scotch boiler three furnaces Working Pressure 15.5 kg/cm<sup>2</sup>  
 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 other than domestic purposes ✓

PLANS. Are approved plans forwarded herewith for Shafting 4 1/2, 14 1/2 '49 Main Boilers 4 1/2 '49 Auxiliary Boilers ✓ Donkey Boilers ✓  
 (If not state date of approval)

Superheaters ✓ General Pumping Arrangements 13/1 '49 24/8 '49 Oil fuel Burning Piping Arrangements 24/8 '49

## SPARE GEAR.

Has the spare gear required by the Rules been supplied yes  
 State the principal additional spare gear supplied one screw shaft (original, with new liner)

NOTE: Last steel spare propeller will be placed onboard whaler "Willem Beemster"

The foregoing is a correct description.

Manufacturer.



Dates of Survey while building { During progress of work in shops - - { Please see Rpt N° 9.  
During erection on board vessel - - -  
Total No. of visits 18

Dates of Examination of principal parts—Cylinders 10/10 '48 Slides 10/10 '48 Covers 10/10 '48  
Pistons 10/10 '48 Piston Rods 10/10 '48 Connecting rods 10/10 '48  
Crank shaft 10/10 '48 Thrust shaft 12/10 '48 Intermediate shafts ✓  
Tube shaft ✓ Screw shaft 9/6 '49 Propeller 9/6 '49  
Stern tube ✓ Engine and boiler seatings ✓ Engines holding down bolts ✓  
Completion of fitting sea connections ✓ Boilers fixed ✓ Engines tried under steam 20/9 '49  
Completion of pumping arrangements 20/9 '49 Thickness of adjusting washers 11/6 4 1/2 Port 37 1/2  
Main boiler safety valves adjusted 7/9 '49  
Crank shaft material SM steel Identification Mark ✓ Thrust shaft material SM steel Identification Mark ✓  
Intermediate shafts, material Identification Marks ✓ Tube shaft, material ✓ Identification Mark ✓  
Screw shaft, material SM steel Identification Mark PFW 10/13 '49 Steam Pipes, material steel Test pressure 31 kg Date of Test 3/3 '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 extinguishing: 3-2 gallons foam apparatus.  
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo no one 1" hose in Engine room will operate  
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 found to be in accordance with the approval plans. Please see Rpt N° 9.

Certificate to be sent to { Committee's Minute {  
(The Surveyors are requested not to write on or below the space for Committee's Minute.)  
The amount of Entry Fee ... £ : When applied for, 19  
Special ... £ :  
Donkey Boiler Fee ... £ : When received, 19  
Travelling Expenses (if any) £ :  
Date FRI 30 DEC 1949  
See minute on file rpt.  
Engineer Surveyor to Lloyd's Register of Shipping.