

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 31 OCT 1949

Date of writing Report 24 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 22/6 1949
 Reg. Book _____ (Number of Visits 10)

00032 on the "NELLIE-VINKE" (AM 11.) ex "Takman Maria 5" Tons {Gross 347.80
 Net 30.42

Built at Osaka By whom built Osaka Iron Works Ltd. Yard No. _____ When built 1937

Engines made at Osaka By whom made Osaka Iron Works Engine No. _____ When made 1937

Boilers made at Osaka By whom made Osaka Iron Works Boiler No. _____ When made 1937

Registered Horse Power 1300 Owners Ned. Meats. vande Welaschraaf N.V. Port belonging to Amsterdam

Nom. Horse Power as per Rule 153 MN-17^b 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 220 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 Thrust shaft, diameter at collars as per Rule 220-205 at coupling
 as fitted _____ as fitted _____

Tube Shafts, diameter as per Rule Screw Shaft, diameter as per Rule 231 Is the tube shaft fitted with a continuous liner yes
 as fitted _____ as fitted _____

Bronze Liners, thickness in way of bushes as per Rule 16 Thickness between bushes as per Rule 92 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 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 Pumps { 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
 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 one with tanks one 2" In Holds, &c. one 2", the one 2"

Main Water Circulating Pump Direct Bilge Suctions, No. and size one 3 1/2" Independent Power Pump Direct Suctions to the Engine and/or Boiler Room Bilges, No. and size _____ 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 m²

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/cm²

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 4/2, 14/2 '49 Main Boilers 4/2 '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.

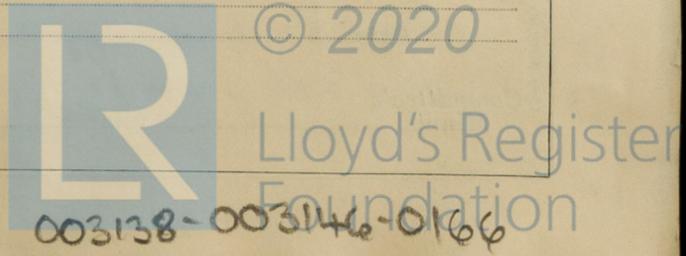
Has the spare gear required by the Rules been supplied yes

State the principal additional spare gear supplied one screw shaft (original, with new liner)

NOTE: Last steel spare propeller will be placed onboard whaler "Willems Berentsen"

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 ✓

Completion of pumping arrangements *20/9 '49* Boilers fixed ✓ Engines tried under steam *20/9 '49*

Main boiler safety valves adjusted *7/9 '49* Thickness of adjusting washers *Std. 41 1/2 in Port 37 1/2*

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 *LR. N° 386* 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 gallon foam apparatus. Prepared steam pipe one 1/2" hose in Engine room will operate.*

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 *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 or made in accordance with the approved plans. Please see Rpt N° 9.*

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	£	—	:	When applied for,
Special	£	—	:	19
Donkey Boiler Fee	£	—	:	When received,
Travelling Expenses (if any)	£	—	:	19

Date *FRI. 30 DEC 1949*

Committee's Minute

See minute on file rpt.

[Signature]
Engineer Surveyor to Lloyd's Register of Shipping.