

Rpt. 4.

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY

No. 15595

Date of writing Report 3.9.1926 When handed in at Local Office

Received at London Office 22 SEP 1926

No. in Survey held at Kunderdyk

Port of Rotterdam

Reg. Book.

Date, First Survey 8-4-26

Last Survey 25-8-1926

on the Steel Screw Tug "OOSTZEE"

(Number of Visits 10)

Built at Kunderdyk

By whom built

H. Smit &amp; Co. Scheep- &amp; Werktuigbouw

No. 812

Tons

Gross

Net

When built 1926

Engines made at Kunderdyk

By whom made

" " "

Engine No. 812

when made 1926

Boilers made at Kunderdyk

By whom made

" " "

Boiler No. 812

when made 1926

Registered Horse Power 2

Owners H. Smit &amp; Co. Internationale

Port belonging to Rotterdam

Nom. Horse Power as per Rule 129

Is Refrigerating Machinery fitted for cargo purposes No

Is Electric Light fitted Yes

Trade for which Vessel is intended

Towing purposes

## ENGINES, &amp;c.—Description of Engines

No. of Cylinders 16 1/8 x 25 1/8 x 42 1/8

Length of Stroke 23 1/8"

No. of Cylinders 3

Revs. per minute 115

Crank shaft, dia. of journals as per Rule 7 1/8"

as fitted 7 1/8"

Crank pin dia. 7 1/8"

Crank webs

Mid. length breadth 9 1/8"

No. of Cranks 3

Thrust shaft, diameter at collars as per Rule 7 1/8"

as fitted 7 1/8"

Intermediate Shafts, diameter as per Rule 7 1/8"

as fitted 7 1/8"

Screw Shaft, diameter as per Rule 8 1/8"

as fitted 8 1/8"

Is the tube

shaft fitted with a continuous liner

No

Liners, thickness in way of bushes as per Rule 1/2"

as fitted 1/2"

Thickness between bushes as per Rule 1/2"

as fitted 1/2"

Is the after end of the liner made watertight in the

Yes

If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner

Yes

liners are fitted, is the shaft lapped or protected between the liners

Yes

Is an approved Oil Gland or other appliance fitted at the after

Yes

Length of Bearing in Stern Bush next to and supporting propeller

3'-0"

Material Bronze

whether Moveable No

Total Developed Surface 32.4

sq. feet

Pumps worked from the Main Engines, No. 2

Diameter 68 mm

Stroke 300 mm

Can one be overhauled while the other is at work Yes

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Diameter 68 mm

Stroke 300 mm

Can one be overhauled while the other is at work Yes

No. and size 2. 4x5x4. 6x4x6"

Pumps connected to the

Main Bilge Line

How driven Steam

Lubricating Oil Pumps, including Spare Pump, No. and size

Independent means arranged for circulating water through the Oil Cooler

Suctions, connected to both Main Bilge Pumps and Auxiliary

In Engine and Boiler Room In engine room 2 à 2" in bunker 1 à 2" in stokehold 2 à 2"

one in foreship à 2" one in aftership à 2"

Circulating Pump Direct Bilge Suctions, No. and size 1 à 5 1/2"

One à 2"

Independent Power Pump Direct Suctions to the Engine Room Bilges,

Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes Yes

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

Connections fitted direct on the skin of the ship Yes

Are they fitted with Valves or Cocks Both

Are the Overboard Discharges above or below the deep water line Yes

Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes

How are they protected by lumber boards

Have they been tested as per Rule

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

Prevention 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

another Yes

Is the Shaft Tunnel watertight Not tunnel

Is it fitted with a watertight door

Boilers, &amp;c.—(Letter for record S)

Total Heating Surface of Boilers 2025 sq. ft.

No. and Description of Boilers One S.E. Multitubular

Working Pressure 140 lbs

PORT ON MAIN BOILERS NOW FORWARDED? Yes

KEY BOILER FITTED? No

If so, is a report now forwarded?

Are approved plans forwarded herewith for Shafting 18.2.26 Main Boilers 4.2.26 Auxiliary Boilers

Donkey Boilers

General Pumping Arrangements 31.3.26

Oil fuel Burning Piping Arrangements

State the articles supplied:—Two bottom end bolts and nuts, two top end bolts

nuts, 2 main bearing bolts with nuts, one set of coupling bolts, one

set of and bilge pumps valves, one set of piston rings, from of

series and a quantity of assorted bolts and nuts

foregoing is a correct description,

N.V. L. SMIT &amp; ZOON

Scheeps- &amp; Werktuigbouw

Een der Directeuren

Manufacturer.



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Lloyd's Register Foundation



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Dates of Survey while building

During progress of work in shops - -	8/13	25/15	10/16	18/16	1/17	8/17	12/17	20/17
During erection on board vessel - - -	13/17	29/17	25/17	30/17	12/18	18/18	25/18	
Total No. of visits	13							

Dates of Examination of principal parts - Cylinders 8/13 25/15 18/16 26 Slides 8/13 25/15 26 Covers 8/13 25/15 26

Pistons 25-15-26 Piston Rods 10-6-26 Connecting rods 10-6-26

Crank shaft 10/16 Thrust shaft 25/15 4-26 Intermediate shafts 19/17 21

Tube shaft 1/16 Screw shaft 10/16 17-26 Propeller 1-7-26

Stern tube 1/4 8/1 26 Engine and boiler seatings 13/1 26 Engines holding down bolts 30-7-26

Completion of fitting sea connections 20-7-26 Boilers fixed 30-7-26 Engines tried under steam 25-8-26

Completion of pumping arrangements 25-8-26 Thickness of adjusting washers 19 1/2 nut 10 nut

Main boiler safety valves adjusted 25-8-26 Crank shaft material J. M. Heel Identification Mark Lloyd's Register of Shipping No. 402.03 FNB-26-116

Intermediate shafts material J. M. Heel Identification Marks Lloyd's Register of Shipping No. 846 TS-10-4-26

Screw shaft material J. M. Heel Identification Mark Lloyd's Register of Shipping No. 846 TS-10-4-26

Steam Pipes, material Copper Test pressure 380 lb Date of Test 13/17

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 carrying and burning oil fuel 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.) This machinery has been made in accordance with the Society's Rules, approved plans and Secretary's letters, materials tested as required and workmanship good, the whole was found in a good working condition during a trial trip on the North Sea and I am of opinion that this vessel is eligible to be recorded in the Society's Register Book with LMC 8.26. OG

It is submitted that this vessel is eligible for THE RECORD. + LMC 8.26. FD. OG.

CWD. JWD. 23/9/26

The amount of Entry Fee ... £ 36.00 When applied for, 14/9 1926

Special ... £ 387.00

Donkey Boiler Fee ... £

Travelling Expenses (if any) £ 40.00 When received, 25-9-1926

J. J. Ochoa

Engine Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 24 SEP 1926

Assigned - LMC 8.26

CERTIFICATE WRITTEN

F.D. OG.