

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

Date of writing Report

19

When handed in at Local Office

L. 8.

1027 Port of

No. in Survey held at Newcastle on Tyne

Date, First Survey

3<sup>rd</sup> July 1927

Last Survey

26 July

1927

Reg. Book.

(Number of Visits 52.)

on the STEEL SCREW STEAMER. OILSHIPPER

Built at Walker.

By whom built Swan Hunter, Wigham Richardson Ltd

Yard No. 1234

Tons { Gross  
Net

When built 1927

Engines made at Walker on Tyne

By whom made Swan Hunter, Wigham Richardson Ltd

Engine No. 1234

when made 1927

Boilers made at Walker on Tyne

By whom made Swan Hunter, Wigham Richardson Ltd

Boiler No. 1234

when made 1927

Registered Horse Power

Owners

Port belonging to London

Nom. Horse Power as per Rule

482.

Is Refrigerating Machinery fitted for cargo purposes

no

Is Electric Light fitted

yes

Trade for which Vessel is intended Carrying petroleum in Bulk.

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

Dia. of Cylinders 25½-42-70

Length of Stroke

48"

No. of Cylinders 3

Revs. per minute

No. of Cranks 3

Crank shaft, dia. of journals

as per Rule 13.86

as fitted 14½"

Crank pin dia.

14½"

Crank webs

Mid. length breadth 21½"

Thickness parallel to axis 8¾"

Mid. length thickness 8¾"

Thickness around eye-hole 6¼"

Intermediate Shafts, diameter

as per Rule 13.2

as fitted 13½"

Thrust shaft, diameter at collars

as per Rule 13.86

as fitted 14½" = 14½"

Screw Shafts, diameter

as per Rule

as fitted

Screw Shaft, diameter

as per Rule 14.68

as fitted 15½"-15¾"

Is the { tube } shaft fitted with a continuous liner { yes }

Liner Liners, thickness in way of bushes

as per Rule .778

as fitted 13/16"-13/16"

Thickness between bushes

as per Rule .583

as fitted 13/16"

Is the after end of the liner made watertight in the

eller boss

yes

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

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

of the tube shaft

yes

Length of Bearing in Stern Bush next to and supporting propeller Logumutae 5'-0"

propeller, dia 17.9"

Pitch 17.9"

No. of Blades 4

R.H.

Material C. Iron

whether Moveable

no

Total Developed Surface

102

sq. feet

d Pumps worked from the Main Engines, No. none

Diameter

Stroke

Can one be overhauled while the other is at work

ge Pumps worked from the Main Engines, No. 2

Diameter 4¼"

Stroke 26"

Can one be overhauled while the other is at work

yes

ed { No. and size duplex 6x4½x6. 2 duplex weirs }

Pumps connected to the

No. and size Ballast

Camout 8x9x8. 2 main engines pumps

aps { How driven Steam }

8x10½x22

Main Bilge Line

How driven Steam

4½x26" stroke

last Pumps, No. and size Camout duplex 8x9x8

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

two independent means arranged for circulating water through the Oil Cooler

Pumps;—In Engine and Boiler Room 3½" Engine Room well. 3½" standard - 3½" port. Transp. pump duplex 6x5¼x6. draws from (2"

folds, &amp;c. aft peak (1) 4"

Suctions, connected to both Main Bilge Pumps and Auxiliary

Suction from Coffin dam. + P.S. Cuthway

n Water Circulating Pump Direct Bilge Suctions, No. and size 1. of 9" dia

Independent Power Pump Direct Suctions to the Engine Room Bilges,

and size one. 5" dia

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

yes

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 as per plan

all Sea Connections fitted direct on the skin of the ship

yes

Are they fitted with Valves or Cocks

both

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

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

Pipes are carried through the bunkers

none

How are they protected

Pipes pass through the deep tanks

none

Have they been tested as per Rule

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

yes

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

partment to another

Is the Shaft Tunnel watertight

Is it fitted with a watertight door

worked from

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

Total Heating Surface of Boilers

6900 sq. ft.

forced Draft fitted

yes

No. and Description of Boilers 3. S.E. Cyl. multi

Working Pressure 200 lbs. sq. in.

A REPORT ON MAIN BOILERS NOW FORWARDED? yes

A DONKEY BOILER FITTED? no

If so, is a report now forwarded?

ANS. Are approved plans forwarded herewith for Shafting

no

Main Boilers

yes

Auxiliary Boilers

yes

Donkey Boilers

(If not state date of approval)

heaters

General Pumping Arrangements

Oil fuel Burning Piping Arrangements

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

in bearing bolts and nuts, Set of Coupling bolts and nuts, Spare set of Bilge pumps Valves

one set of Valves and seats for feed pump &amp; Ballast, Service pumps. Assorted iron bolts and nuts

are Tail Shaft. Engine Room stairs. 50 ferrules &amp; 20 tubes for condenser, 1 set rings &amp; springs for

OMP &amp; LP pistons, 1 Conn. rod bottom end bearing complete, 1 solid cast iron propeller, gauge glasses

rings—2 boiler safety valve springs, 3 check valve lids, spare set of air pump valves guards &amp; studs,

have valves, guards, springs &amp; studs for oil transfer &amp; oil fuel pumps, Cylinders &amp; water relief

valves, spare boiler tubes &amp; baffle plates, spare boiler manhole dogs, gauge glasses for

vaporator, 300lb steel sheets, 100lb brass sheets.

The foregoing is a correct description,

SWAN, HUNTER &amp; WIGHAM RICHARDSON, LTD.

Manufacturer.

DIRECTOR.

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Foundation

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