

No. 1060

19. *Port of* AMSTERDAM

Date, First Survey 15th May '25 Last Survey 8th June 1927
Number of Visits 17

Tons	{	Gross	—
		Net	—

L ENGINES, &c.—Type of Engines *Diesel Type* ✓ *2 or 4 stroke cycle* ✓ *Single or double acting* ✓
approx. Maximum pressure in cylinders *500/425 lb* ✓ Diameter of cylinders *32 1/4"* ✓ Length of stroke *59 1/2"* ✓ No. of cylinders *6* ✓ No. of cranks *6* ✓
 Distance between centers of crank pins, measured from inner edge to inner edge *43 3/4"* ✓ Is there a bearing between each crank *Yes* ✓
 Revolutions per minute *90* ✓ Flywheel dia. *10' 0"* ✓ Weight *9 tons* ✓ Means of ignition *Self ignition* ✓ Kind of fuel used *Diesel oil* ✓
 Crank Shaft, dia. of journals *as per Rule approved* ✓ Crank pin dia. *21 1/4"* ✓ Crank Webs Mid. length breadth *4 1/2"* ✓ Thickness parallel to axis *13 3/8"* ✓
 as fitted *21 1/4"* ✓ Mid. length thickness *1 3/8"* ✓ Thickness around eye hole *9 3/4"* ✓
 Flywheel Shaft, diameter *as per Rule approved* ✓ Intermediate Shafts, diameter *as per Rule* ✓ Thrust Shaft, diameter at collars *as per Rule* ✓
 as fitted *22"* ✓ as fitted *✓* as fitted *✓*
 Tube Shaft, diameter *as per Rule* ✓ Screw Shaft, diameter *as per Rule* ✓ Is the { tube screw } shaft fitted with a continuous liner { *✓* }
 as fitted *✓* as fitted *✓*
 Bronze Liners, thickness in way of bushes *as per Rule* ✓ Thickness between bushes *as per rule* ✓ Is the after end of the liner made watertight in the *✓*
 as fitted *✓* as fitted *✓*
 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 end of the tube shaft

Length of Bearing in **Stern Bush** next to and supporting propeller

Propeller, dia. Pitch No. of blades Material whether Moveable Total Developed Surface sq. feet
 Method of reversing Engines Air reversing Is a governor or other arrangement fitted to prevent racing of the engine when declutched Means of lubrication

11. 100 ✓ Thickness of cylinder liners 65, 200 & 50 ✓ Are the cylinders fitted with safety valves Yes ✓ Are the exhaust pipes and silencers water cooled or lagged with
conducting material Yes ✓ If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine to pump

bling Water Pumps, No. 2 & 300 x 300 *7m* *all acting* ✓ Is the sea suction provided with an efficient strainer which can be cleared within the vessel *to* ✓
 ge Pumps worked from the Main Engines, No. 2 ✓ Diameter *120/140* *7m* Stroke *300* *7m* ✓ Can one be overhauled while the other is at work *yes* ✓

pumps connected to the Main Bilge Line { No. and Size
How driven

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

two independent means arranged for circulating water through the **Oil Cooler** **Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge**

1. *Revs. No. and size:—In Machinery Spaces*
 2. *Holds, &c.*

Dependent Power Pump Direct Suctions to the Engine Room Bilges, No. and size

all the Bilge Suction pipes in Holds and Tunnel Well fitted with stream hoses

From easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges

Are they fitted with Valves or Cocks

Are the Overboard Discharges above or below the deep water line

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

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

Is the Shaft Tunnel watertight Is it fitted with a watertight door worked from

Wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork *(on a crankshaft)*

Air Compressors, No. *2* ✓ **No. of stages** *3* ✓ **Diameters** *650/560-150* **Stroke** *550* **Driven by** *extension of*

Capacity *1000 cu. ft. per minute*

Primary Air Compressors, No. 2 ✓	No. of stages 3 ✓	Diameters 300 cu ft	Stroke 1	Driven by Steam and
		one driven by 2 cylinders 4 S.C.A. Diesel motor.		
1 Auxiliary Air Compressors, No. 1	No. of stages 1	Diameters 1	Stroke 1	Driven by 1

enging Air Pumps, No. Diameter Stroke Driven by

lary Engines crank shafts, diameter as per Rule approved 28 December 1914

as fitted 185 1/2 inch 2-1 cylinder and 1-5 cylinder / 4 S.C.S.A. 10000 lbs

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule.

the internal surfaces of the receivers be examined. What means are provided for cleaning their inner surfaces.
 Are a drain arrangement fitted at the lowest part of each receiver.

Pressure Air Receivers, No. 3 ✓ Cubic capacity of each 24 cu ft ✓ Internal diameter 5 1/5 in. thickness 1 1/5 in.
ss, lap welded or riveted longitudinal joint Seamless ✓ Material Steel ✓ Range of tensile strength 32,500 lbs ✓ Working pressure by Rules 915 lb

ing Air Receivers, No. Total cubic capacity Internal diameter thickness

ss, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

007938-007946-0125

4B

IS A DONKEY BOILER FITTED? ☒

If so, is a report now forwarded? ☒

PLANS. Are approved plans forwarded herewith for Shafting Retains Receivers to London Separate Tanks Office
(If not, state date of approval) Shafting, 24/11. 24. 24/1. 25.
Donkey Boilers ☒ General Pumping Arrangements ☒ Oil Fuel Burning Arrangements ☒

SPARE GEAR Two top end bolts and nuts; 1 bottom end bolt and nuts; 1 main bearing bolts and nuts; 1 set of coupling bolt; 1 set of fuel and oil pump valves; 1 set of piston spacers; 1 quantity of assorted bolts and nuts; 1 three throw crankshaft; 1 set cross head bars; 1 complete set main bearing bars; 6 inlet and outlet valves, bars and spacers.

Plans see further list attached.

X WORKSPOOR
J. J. C. J. Hugh.

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building	{	During progress of work in shops--	15/5. 22/5. 18/6. 24/6. 5/10. 12/10. 14/11. 19/11. 12/1. 25/1. 2/2. 11/2. 10/3. 30/3. 14/4. 16/4. 29/4. 12/5. 14/5. 4/6. 7/6. 30/6. 9/7.
		During erection on board vessel--	19/6. 24/6. 14/7. 24/7. 24/9. 30/9. 8/10. 18/10. 24/11. 28/12. 19/1. 14/1. 31/1. 5/2. 14/2. 14/3. 18/3. 19/3. 25/3. 8/4. 24/4.
		Total No. of visits	41.

Dates of Examination of principal parts—Cylinders 24/6. 11/7. 24/7 Covers 24/6. 11/7. 24/7 Pistons 14/11. 25/11. 8/12. 24 Rods 14/11. 25/11. 8/12. 24 Connecting rods 14/11. 25/11. 8/12. 24
Crank shaft 30/11. 8/12. 24 Flywheel shaft 30/11. 8/12. 24 Thrust shaft ☒ Intermediate shafts ☒ Tube shaft ☒

Screw shaft ☒ Propeller ☒ Stern tube ☒ Engine seatings ☒ Engines holding down bolts ☒

Completion of fitting sea connections ☒ Completion of pumping arrangements ☒ Engines tried under working conditions ☒

Crank shaft, Material Steel Identification Mark Lloyd's 14/11. 25/11. 8/12. 24 Flywheel shaft, Material Lloyd's 14/11. 25/11. 8/12. 24 Identification Mark Steel

Thrust shaft, Material ☒ Identification Mark ☒ Intermediate shafts, Material ☒ Identification Marks ☒

Tube shaft, Material ☒ Identification Mark ☒ Screw shaft, Material ☒ Identification Mark ☒

Is the flash point of the oil to be used over 150° F. Yes

Is this machinery duplicate of a previous case Yes If so, state name of vessel Mr. Clem and Rep. nr. 105.29. Goldenroth and Rep. nr. 10540.

General Remarks (State quality of workmanship, opinions as to class, &c.)

The engines of this vessel have been constructed under Special Survey, in accordance with the plans, Rules and Secretary Letter, workmanship good and material tested as required; same have been forwarded to Rotterdam to be fitted in the m.v. Spondilus Regnerd's Yacht nr. 303.

Certificate (if required) 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 ...	£ 72.-	When applied for,	
2/3 Special ...	£ 1040.-		19.
Donkey Boiler Fee ...	£ :	When received,	
Travelling Expenses (if any) £	36.-		2.8.27

Committee's Minute

FRI. 7 OCT 1927

Assigned see minute on Rot

Rpt 16809 attached

F. H. Beemster
Engineer Surveyor to Lloyd's Register of Shipping.



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Foundation