

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 30 NOV 1928

29 NOV 1928 Port of Sunderland

Writing Report

When handed in at Local Office

Date, First Survey May 23 Last Survey Nov 29 1928
(Number of Visits 55)

Survey held at

on the TWIN S.S. "PAQUITA"

Tons { Gross 2618
Net 1179

at Sunderland By whom built James Laing & Sons Yard No. 704 When built 1928

engines made at Sunderland By whom made George Clark Ltd. Engine No. 1162/3 when made 1928

boilers made at do By whom made do Boiler No. 1162/3 when made 1928

rated Horse Power _____ Owners Anglo-Siam Petroleum Co. Ltd Port belonging to Willemstad Curaçao

Horse Power as per Rule 234 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

for which Vessel is intended Sumping Petroleum in Bulk

DESCRIPTION OF ENGINES Twin screw triple expansion Revs. per minute 182

Length of Stroke 24" No. of Cylinders 3 x 2 No. of Cranks 3 x 2

shaft, dia. of journals as per Rule 6.75" Crank pin dia. 7" Crank webs Mid. length breadth 11 1/4" Thickness parallel to axis 4 1/4"

Intermediate Shafts, diameter as per Rule 6.43" as fitted 6 1/2" Thrust shaft, diameter at collars as per Rule 6.75" as fitted 7"

Shafts, diameter as per Rule _____ as fitted _____ Screw Shaft, diameter as per Rule 7.139" Is the shaft fitted with a continuous liner Yes

Linings, thickness in way of bushes as per Rule 16.39" as fitted 9 1/16" Thickness between bushes _____ Is the after end of the liner made watertight in the stern Yes

Oil Gland or other appliance fitted at the after end of the liner _____

the tube shaft Yes Vickers Length of Bearing in Stern Bush next to and supporting propeller 2'-8" in tube & 2'-8" in bracket

Propeller, dia. 8'-6" Pitch 7'-0" No. of Blades 4 Material No whether Movable No Total Developed Surface 23.5 sq. feet

Pumps worked from the Main Engines, No. 1 EACH ENG. Diameter 4 1/2" Stroke 4" Can one be overhauled while the other is at work Yes

Pumps worked from the Main Engines, No. 1 EACH ENG. Diameter 4 1/2" Stroke 4" Can one be overhauled while the other is at work Yes

No. and size TWO, 1 @ 8 1/2" x 6" x 18" & 1 @ 7 1/2" x 5" x 6" Pumps connected to the Main Bilge Line

How driven STEAM Lubricating Oil Pumps, including Spare Pump, No. and size _____

Oil Coolers _____ Suctions, connected to both Main Bilge Pumps and Auxiliary

Water Circulating Pump Direct Bilge Suctions, No. and size ONE 7 1/2" Independent Power Pump Direct Suctions to the Engine Room Bilges, size ONE 4"

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

Sea Connections fitted direct on the skin of the ship Yes Are they fitted with Valves or Cocks Both

Overboard Discharges above or below the deep water line None

How are they protected _____

Have they been tested as per Rule _____

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 _____

BOILERS, &c. - (Letter for record 5) Total Heating Surface of Boilers 4038 sq. ft.

Approved Draft fitted Yes No. and Description of Boilers Two 4 ft. Mult S. E. Working Pressure 180 lbs.

REPORT ON MAIN BOILERS NOW FORWARDED? Yes

DONKEY BOILER FITTED? No If so, is a report now forwarded? _____

Are approved plans forwarded herewith for Shafting Main Boilers YES Auxiliary Boilers _____ Donkey Boilers _____

General Pumping Arrangements YES Oil fuel Burning Piping Arrangements YES

RE GEAR. State the articles supplied: - 2 connecting rod top end & 2 bottom end bolts & nuts

1 set of coupling bolts, 1 set feed & bilge pump valves

1 set of assorted bolts & nuts & iron of various sizes 2 C.I. propellers

1 crank shaft, 1 set of sheave complete, 1 guide shoe,

1 pair of piston rings for each engine, 1 piston rod, 1 pair top end & 1 pair

bottom end brasses, 1 slide valve spindle & block, 1 feed & 1 bilge pump plunger,

1 set of springs for safety valves, 1 set of boiler tubes, 23 Cadman tubes, 1 set of valves & springs for each aux engine, 1 impeller shaft & other

articles for circulating pumps.

The foregoing is a correct description.

FOR GEORGE CLARK LIMITED,

W & S MULL

Manufacturer.



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Lloyd's Register Foundation

1928. May, 28. June, 4, 7, 11, 18, 19. July, 4, 5, 6, 10, 12, 25, 30, 31. Aug, 1, 2, 8, 13, 16, 17, 20, 27, 28, 31. Sep, 5, 7, 10, 17, 18, 19, 20, 25, 28. Oct, 3, 5, 8, 9, 10, 11, 12, 15, 16, 18, 19, 21, 24, 26, 30, 31. Nov, 7, 26, 28, 29.

Dates of Survey while building
 During progress of work in shops - -
 During erection on board vessel - - -
 Total No. of visits **55**

Dates of Examination of principal parts—Cylinders 16/8/28 & 8/8/28 Slides 4/7/28 Covers 16/8/28 & 8/8/28
 Pistons 4/7/28 Piston Rods 18/6/28 Connecting rods 31/8/28
 Crank shaft 30/7/28 Thrust shaft 16/8/28 Intermediate shafts 12/10/28
 Tube shaft Screw shaft 12/10/28 Propeller 25/9/28
 Stern tube 25/9/28 Engine and boiler seatings 15/10/28 Engines holding down bolts 19/10/28
 Completion of fitting sea connections 9/10/28
 Completion of pumping arrangements 29/11/28 Boilers fixed 18/10/28 Engines tried under steam 26/10/28
 Main boiler safety valves adjusted 26/10/28 Thickness of adjusting washers PORT BOILER 2 1/2" 5 3/8" STAR BOILER 2 3/8" 5 3/8"
 Crank shaft material I. STEEL Identification Marks 4 1/4 EX PT STAR Thrust shaft material I. STEEL Identification Mark 1585 PT
 Intermediate shafts, material I. STEEL Identification Marks 1585 STAR Tube shaft, material Identification Mark
 Screw shaft, material I. STEEL Identification Mark 1585 STAR Steam Pipes, material L.W. STEEL Test pressure 540 Date of Test 19/10/28
 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 carrying and burning oil fuel 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 engines & boilers of this vessel have been built under special survey & the materials & workmanship are good. On completion they were tried under a full head of steam with satisfactory results. The machinery is now in a good & efficient condition & eligible in my opinion to have the notation LMC-11-28, T.S.C.L & fitted for burning oil fuel F.P. above 150°F. The section 35 of the Rules being fully complied with.*

It is submitted that this vessel is eligible for THE RECORD, + L.M.C. 11-28 C-L, F.D.

Fitted for oil fuel 11-28 F.P. above 150°F

CERTIFICATE WRITTEN: 30/11/28

[Signature]
30/11/28

SUNDERLAND. 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 ...	£ 4-0-0	When applied for, 8 NOV. 1928
Special ...	£ 58-10-0	
Donkey Boiler Fee ...	£ :	When received, 30-11-28
Travelling Expenses (if any) £	:	

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

Committee's Minute TUE. 4 DEC 1928

Assigned *June 11.28 F.D. CL*
Fitted for oil fuel 11.28 F.P. above 150°F

