

No. 1963

Report of Survey for Repairs, &c., of Engines and Boilers.

(Received at London Office MON 21 FEB 1921)

Writing Report	9-2-	1920	When handed in at Local Office	9-2-	1920	Port of Naples	8-2-	1921
						Date, First Survey April 1st 1920	Last Survey	
						S.S. Angela ex River Clyde Master	(No. of Visits)	40.
							YEAR.	MONTH.
Gross	3913							
Net	2526							
Ad. per	360							
in Boilers	2							
Key Boilers	1							
Boilers	180							
Boilers	80							

Report No.

Port

LMC for

Details of Examination and Repairs (if any) Re. Class

All Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the Repairs, if any, and in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on or damage (the cause of which must be stated) should be separated from Repairs due to other causes; and being detailed in the body of the report, should be briefly summarised at the end of the report. State also the initials of any letters respecting this case. H. Q. 4-20

In cases where the Surveyor has not made a special damage report he is required to state whether he offered his services for this purpose, and why they were declined? ✓

Was a damage report made by anyone else? If so, by whom?

Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Centre boiler yes (P+5 boilers new)

Donkey " in told " not being used, not examined)

not done, state for what reasons?

parts of the Boilers could not be thus thoroughly examined.

special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler?

Surveyor examine the Safety Valves of the Main Boilers?

yes

Surveyor examine the Safety Valves of Donkey Boiler?

✓

Surveyor examine all the manholes, doors and their fastenings of the Main Boilers?

To what pressure were they afterwards adjusted under steam?

180 lbs

Surveyor examine the drain plugs of the Main Boilers?

To what pressure were they afterwards adjusted under steam?

Surveyor examine all the mountings of the Main Boilers?

yes, and of the Donkey Boiler?

Shaft now been drawn and examined?

none, and of the Donkey Boiler?

yes

now been changed? NO If so, state reasons.

yes, and of the Donkey Boiler?

shaft now fitted new?

Has it a continuous liner?

or two liners?

distance between lignum vitae of stern bush and top of after bearing of screw shaft?

18" or is it without liners?

Survey is not complete state what arrangements have been made for its completion and what remains to be done?

complete.

Cylinders, pistons, slides, crank. Thrust & tunnel lifting, all pumps, condenser and suction and arrangement, screw shaft, propeller, and sea connections and fastenings examined.

Centre boiler examined throughout the lower manholes refitted. all mountings on this boiler renewed.

This boiler was taken out of the "Polperro" No 444. 1917-18 R.S. Malta placed on board this vessel. Mark

WALLSEND S.Y.E.CO.LD.
NO. 5286
LLOYD'S TEST 360 LBS.
24-5-90 H.C.

Re tested by hydraulic pressure 1½ times W.P. found tight & sound.

General Observations, Opinion, and Recommendation:— This vessel's machinery

clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.: thus, for example, R.S. 9.11, R.M.S. 9.11, or + L.M.C. 9.11, 160 lbs. F.D., &c.)

eligible in my opinion for re-classification and have record of + L.M.C. 2-21. Note shaft cont liner seen 14-20. to Pt 4 Stt boiler new 1919 fitted 1921. Centre boiler date 1898. Crank Surface 169 sq. Heating Surface 6200 sq. N.H.P. 370.

Fees applied for notes no donkey boiler fitted.

£ (per Section 28) £288.00 Fees applied for 4.2.1921

£ (per Section 28) £5500.00 fitting new values

£ (per Section 28) £421.00 Expenses (if chargeable)

Received by me 15/3/1921

TUE. 1 MAR 1921

7 Lb 6 D.2.1

+ R.B. (P+S) 2.2.1

+ R.B. (C) 98 refused 2.1

CERTIFICATE WRITTEN 15-3-1921 TUE JUNE 20 1923

FRI. 9 MAR. 1923

FRIDAY NOV 30 1923

TUES. NOV 30 1923

MONDAY NOV 30 1923

Naples

Continuation of Report No. 1963 dated 9th Feb. on the

Two new boilers placed on board and efficiently secured in position, this makes 3 main boilers instead two formerly. These new boilers were built by Macmillan & Pollock marked (1) 3520 (2) 3545
 Lloyd's Test 400 lbs. G.A.H. 29.1.19
 Lloyd's Test 400 lbs. G.A.H. 7.3.19

All new mountings fitted to these boilers
 casing gear fitted to all boilers.

Dis of Safety Valves. New Boilers (Spring loaded double 3 1/4")

" " " Old Boiler (1 3/4")

Old Boiler Gage Surface 66 f Heating Surface 2500 f.

New Coolers (2). " 103 f " 3400 f

Total G.S. 169 f Total 456200 f

N.H.P. by Rule 340 for R.O. 6150

Tunnel. All tunnel shafting cleaned. Bearings cleaned and adjusted. Water service tiles taken adrift cleaned. refitted,

Thrust Clock. taken adrift cleaned. shaft placed in lathe collars and bearings trued up. thrust shoes remetalled and refitted to place. water service to same placed in order.

Crank Shaft. lifted and taken to shop. placed in lathe. tried for truth. Journals and pins skinned up. the lower halves of three bearings remetalled. Crank shaft rebedded and shafting lined up.

Eccentric sleeves and straps cleaned up and adjusted. the lower halves of three crank pin brasses remetalled. Crank pin brasses re-bedded. all eccentric rods taken to shop. Cleaned up in lathe and new brasses supplied to fork ends. afterwards taken on board and fitted to place. M.P & L.P. valve gear taken to shop. cleaned up and new brass parts supplied. H.P. Valve gear entirely renewed. all Valve spindle guide brasses renewed. all valve spindles placed in lathe. skinned up and rebushed. H.P & L.P. drag rods renewed. new brasses and bolts fitted. all new pins fitted to eccentric sleeves. a new top ring fitted to H.P. piston valve. H.P. steam chest cover renewed. L.P. Balance cylinder, new piston, rings & cover fitted. reversing shaft one new bearing cap supplied and fitted. connecting rods taken to shop. Cleaned up in lathe. and new top end bearings fitted. Piston rods taken to shop skinned up and new neck bushes fitted. all guide shoes remetalled on the dead side and refitted. and guides trued up.

* THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.

S. S. "ANGELA" EX "RIVER CLYDE"

All glands of piston & valve rods rebushed and several gland studs renewed.

rain cocks on all cylinders and valve chests renewed. all escape valves on cyls top & bot renewed.

all engine stop valve. seat. valve. throttle valve.

over. rods. levers and handwheel renewed.

starting valves to MP & LP. cylinders renewed.

w rods and levers fitted.

all indicator cocks and pipes renewed.

running gear. taken to shop overhauled. a new worm made and fitted.

reversing engine taken to shop. new frame. bearings set. fitted and engine placed in order.

new reversing rod fitted. new brasses fitted. pump. air. circ. feed & bilge pumps skinned up and rebushed.

pump crosshead placed in lathe and new guide fitted.

cam levers trued up. journals dressed. all new brasses fitted and pins lined up.

Circulating and bilge pump valves taken adrift. cleaned and ground in.

is opened out. cleaned and new lagging fitted.

itons opened out. cleaned. rings refitted and number of junk ring studs and nuts renewed.

ndenser. the top fore and aft ends where open. repaired by fitting solid cast brass plates & patches fitted in such a manner that they can taken as a permanent repair. all tubes drawn and tested about 50% renewed. forward tube ate renewed. Condenser retubed. repacked and led, both condenser doors renewed. all valves renewed.

holding down bolts examined & hardened up.

engine room gratings & ladders repaired and renewd as found necessary.

stokehold gratings and ladders repaired and renewd as found necessary.

handrails and guard plates renewed.

tank suction and filling pipes & connections on adrift. examined and repaired and partly renewed bilge suction valves. cocks. pipes taken adrift examined, repaired and partly renewed.

discharge chests and valves on ship's side renewed.

01543

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"ANGELA," EX "RIVER CLYDE"

50% of Discharge pipes renewed,
all aux steam piping renewed and tested to
twice the working pressure, and annealed
all exhaust piping and valves renewed.

All waste steam pipes renewed.

All feed pipes renewed and tested to twice
the working pressure. and annealed
All Blow-off pipes renewed.

All main steam pipes renewed and tested
to twice the W.P. and annealed,

Steering engine and whistle steam pipes renewed,
main injection valve renewed.

All auxiliary pumps overhauled and renewed
as necessary and placed in good working
condition,

Evaporator cleaned out, cleaned. Coils tested
and repaired. all mountings and pipe connections
to evaporator renewed.

Engine room and stokered flooring renewed.
new screen bulkhead fitted between engines
and boilers.

On completion the engines and pumps were
tried under steam and found to work satisfactorily

D.H.L

It is observed from Malta Rpt 16-2-1920 that
the MP & LP back columns (which form with main
condenser one complete casing) were broken beyond
repair, this was not so, the main condenser
was broken at each end on the top slip side
corner. now efficiently repaired as stated in
body of report.

D.254 1/3



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