

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

11 NOV 1929

Date of writing Report

10

When handed in at Local Office

6.11.29

Port of NEWCASTLE-ON-TYNE.

No. in Survey held at Newcastle-on-Tyne.

Date, First Survey 4 Feb

Last Survey 2nd Nov 1929.

Reg. Book.

on the Steel. Sc. "KITTY TAYLOR"

(Number of Visits 102)

Gross 4640

Net 2785

When built 1929.

Built at Willington Quay. By whom built Sir W. G. Armstrong Whitworth &amp; Co (Shipbuilders) Ltd. Yard No. 1054

Engines made at Scotswood By whom made Sir W. G. Armstrong Whitworth &amp; Co (Engs) Ltd. Engine No. 82.

when made 1929.

Boilers made at Scotswood By whom made Sir W. G. Armstrong Whitworth &amp; Co (Engs) Ltd. Boiler No. 82.

when made 1929.

Registered Horse Power

Owners Eros Steamship Co Ltd

Port belonging to London.

Nom. Horse Power as per Rule

419.

Is Refrigerating Machinery fitted for cargo purposes

No.

Is Electric Light fitted

Yes.

Trade for which Vessel is intended

Ocean Going.

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

Triple Expansion Inverted.

Revs. per minute 68.

Dia. of Cylinders 26" x 43" x 72"

Length of Stroke 48"

No. of Cylinders 3.

No. of Cranks 3.

Crank shaft, dia. of journals

as per Rule 13.5"

Crank pin dia. 13 5/8"

Crank webs

Mid. length breadth 6.2"

Thickness parallel to axis 8.625"

Intermediate Shafts, diameter

as per Rule

as fitted 12.88"

Thrust shaft, diameter at collars

as per Rule

as fitted 13.5"

Tube Shafts, diameter

as per Rule

Screw Shaft, diameter

as per Rule

as fitted 14.36"

Is the

shaft fitted with a continuous liner

Yes.

Tube Shafts, diameter

as fitted

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1929

Feb. 4, 7, 15, Mar. 1, 5, 6, 7, 8, 11, 13, 20, 22, 25, 26, 27, 28, Apr. 3, 5, 8, 9, 10, 11, 15, 16, 17, 18, 19, 23, 24, 26, 29, May 1, 2, 3, 6, 7, 8, 9, 11, 13, 16, 17,

During progress of work in shops - - 21, 23, 24, 27, 28, 29, June 4, 5, 6, 10, 12, 17, 19, 20, 24, July 2, 3, 9, 12, 16, 19, 23, 24, 26, 31, Aug. 1, 6, 7, 9, 13, 14, 16, 19, 21, 23, 26, 27, 29, Sep. 2, 17, 20, 25, 27, 30, Oct. 2, 3, 7, 8, 10, 11, 14, 15, 21, 24, 25, 26, 28, 30, Nov. 1, 2.

Dates of Survey while building

During erection on board vessel - - -

Total No. of visits 102.

Dates of Examination of principal parts—Cylinders HP. 20. 6. 29.  
IP. 2. 7. 29.  
LP. 7. 8. 29. Slides 27/8/29. Covers 27/8/29.

Pistons 23/7/29. Piston Rods 22/8/29. Connecting rods 26/7/29.

Crank shaft 31/7/29. Thrust shaft 27/8/29. Intermediate shafts 3/7/29.

Tube shaft ✓ Screw shaft 26/7/29. Propeller 14/8/29.

Steam tube piece 27/8/29. Engine and boiler seatings 2/9/29. Engines holding down bolts 24/10/29.

Stern tube 21/8/29.

Completion of fitting sea connections 15/8/29.

Completion of pumping arrangements 24/10/29. Boilers fixed 24/10/29. Engines tried under steam 26/10/29.

Main boiler safety valves adjusted 25/10/29. Thickness of adjusting washers P. Boiler 11" PV 3/8 SV 3/2 C. Boiler 5" PV 5/16 SV 1/6 S. Boiler 11" PV 7/32 SV 3/2

Crank shaft material Steel Identification Mark 885, 887, 889. Thrust shaft material Steel Identification Mark 2089.

Intermediate shafts, material Steel Identification Marks 2091, 5193, 5191, 2092, 5188, 2086. Tube shaft, material Steel Identification Mark 888.

Screw shaft, material Steel Identification Mark 2088. Steam Pipes, material Steel Test pressure 540 lb/sq. in. Date of Test 14/10/29.

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, &amp;c.)

The machinery of this vessel has been built under special survey in accordance with the requirements of the Society's Rules and the approved plans. The materials & workmanship are sound and good. The machinery was examined under steam at mooring & also during sea trials and was found satisfactory. The machinery of this vessel is eligible in my opinion to have the notation of + LMC 11, 29 and TS CL.

It is submitted that

this vessel is eligible for the notation

+ LMC 11, 29 CL.

J. J. 12/11/29.

The amount of Entry Fee ... £ 5 : - : When applied for, 29 NOV 1929

Special ... £ 87 : 17 : When received, 18. 11. 29

Donkey Boiler Fee ... £ : :

Travelling Expenses (if any) £ : :

L. Peskert.

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 15 NOV 1929

Assigned

+ LMC 11, 29 CL.



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