

Rpt. 9A

REPORT OF **MACHINERY SURVEYS AND REPAIRS** (Engines and Auxiliaries)  
FOR CONSIDERATION BY THE COMMITTEE OF LLOYD'S REGISTER OF SHIPPING

Received London

-4. OCT. 1966

Ship's Name ~~SS~~MS "SIR JAMES CLARK ROSS"

Port Oslo

Processing  
Number: LR

532958

Gross tons

18448

Rpt. No.

10549

Port of Registry

Sandefjord

Date of build

1930-8

Is there a rpt. 8?

Yes

No. of visits

4

First date

17/8

Last date

14/9/66

Interim Cert. issued  
& copy herewith?

Yes

Damage rpt. issued  
and copy herewith?

No

Last rpt. (H.Q. only)

Date of  
completing rpt.

28/9/66

Surveyed at, if different from Port above

Sandefjord.

Is a rpt. 9B  
attached?

Yes

MN

709

Nature of survey

General Examination  
part ABS.

Survey fees

Damage fee

Expenses

Kr. 300,-

Gen. Exam. & part ABS. Kr. 1.500,-

S.A. fee

MAIN ENGINES, RECIP., STEAM OR I.C. (State Port—P or Starboard—S)

1 Cyls., covers, pistons,  
rods, valves & gears

No. 1 (s) - Good

2 Con. rods, crossheads,  
bearings & guides Side

No. 1 (s) - Good

3 Centre  
Crankpins  
(incl. eccentrics)  
& bearings Side

Centre

No. 4 (s) and No. 6 (p) - Good

4 Crankshaft journals  
& bearings

No. 3 (s) and No. 2 (p) Good

5 Detuner or  
vibration damper

MAIN ENGINE DRIVEN SCAVENGE PUMPS AND/OR AIR COMPRESSORS (delete as applicable)

6 Cyls., covers,  
pistons & rods

7 Con. rods, crossheads,  
bearings & guides

8 Crankpins &  
bearings

9 Journals &  
bearings

10 Levers, links &  
bearings

11 Coolers &  
safety devices

12 Scavenge blowers  
& superchargers

13 Air coolers

14 Crankcase & scavenge doors & explosion relief devices

MAIN TURBINES

15 Casings, rotors,  
blading, bearings,  
thrusts & couplings

16 Astern turbine

I declare that the items detailed in this report (except as stated otherwise) comply with the requirements of the Merchant Shipping (Cargo Ship Construction and Survey) Rules 1965, applicable to this ship and are in all respects satisfactory for the service on which the ship is intended to ply, namely, International voyages/voyages within the limits

(The above declaration applies to sea-going cargo ships  
of 500 tons gross and above registered in the U.K.)

I recommend that the machinery of this ship remain as classed ~~xxx~~ without fresh record of survey, subject to all outstanding surveys being dealt with before the end of December, 1966 (3 mos. limit) and subject to all conditions attached to the vessel's class being dealt with at the same time.

(Where conditions of class are recommended to be retained, imposed, amended or deleted, particulars must be stated above and on the interim certificate).

Date of Committee

Minute

ALSO FOR

SPL FOR

NOTED BY  
CESR

SRL

POSTING

HEADER

CERT

L. Tveit.  
Surveyor to Lloyd's Register of Shipping

MONDAY 14 NOV 1966

As now, subject

Lloyd's Register  
Foundation

004486-664488-0223 1/2

are to be cancelled; this need not be done when the machinery is on a continuous survey basis. When any part has been hydraulically tested the pressure should be stated. Engine parts when referred to by numbers should be counted from forward.

that date a distinguishing mark must be inserted against the item and the circumstances and action taken or recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship

The condition of any item is to be described as "good" only when it has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination. Where re-examination or repairs should be made before



## MAIN REDUCTION GEARING

17 Pinions & wheels	18 Shafts, bearings & couplings	
19 Exhaust steam turbines (with recip. eng.)	20 Thrust blocks, shafts & bearings	
21 M.E. steam compressors	22 Intermediate shafts & bearings	
23 Clutches & hydraulic couplings	24 Steam re-heaters	
25 De-superheaters	26 Forced &/or induced draught fans	
27 Stop & manoeuvring valves	28 Holding down bolts & chocks	
29 Main engine driven pumps (including fuel injection)		
30 Condensers <del>xxxx</del> (aux.) No. 1 +	31 Air ejectors (main & aux.)	
32 Have main engines been examined working & manoeuvring? Yes - Good		
33 Essential independent pumps		
34 Bilge, ballast & oil fuel suction lines, fittings & controls See Rpt.	35 Have the remaining piping arrangements & fittings in the machinery space been examined as considered necessary? See Rpt.	
36 Fresh water coolers	37 Lub. oil coolers	
38 Heaters & safety devices including de-aerator (state service)	39 Pressure feed water filters	
40 Auxiliary air receivers & safety devices	41 Starting air pipes	
42 Main air receivers & safety devices		
43 Independent air compressors, coolers & safety devices	44 Oil fuel tanks (not forming part of the hull structure)	
45 Have all evaporators safety valves been tested under steam?	46 Evaporators	47 Distillers
48 Steering machinery Good	49 Windlass Good	50 Machinery spare gear

State  
Port P. or  
Starboard S.Identify  
by  
position

## AUXILIARY ENGINES

## DOCKING

Propeller S	Good	Sea connections	N.E.	Oil gland	-
Fastenings & gratings	Good	Clearance in stern bush (if relined state clearance before & after)	S. 2 mm. P. 3 mm.	Date of examining shaft & condition	-
Has screw/tube shaft been drawn?	No, but p. & s. propellers backed off cone & Good	Has shaft now fitted been previously used?	-	Approved oil gland	-
Has shaft been changed?	-				
Has shaft now examined/fitted a continuous liner?	-				

## PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC.

General Examination now held:

In accordance with the Secretary's letter dated 19th August, 1966, a general examination now carried out on the ship whilst in floating dock and lying afloat.

The reason for repairs must be stated and those on account of damage, the alleged cause of of which must be given, should be detailed separately for wear and tear repairs. State what action has been taken regarding items which are subjects of class. State also where appropriate, for the information of the Technical Records Dept., the material of the defective item and whether it is a forging, casting or welded fabrication. Any alterations in existing particulars in the Register Book should be reported above.

Cont'd sheet 2 .....

State whether continuation sheet attached



Ship's Name ~~SS~~/MS "SIR JAMES CLARK ROSS".

Port Oslo

Rpt. No. 10549

All items as indicated in the Report examined and found satisfactory in the meantime and it is submitted for the favourable consideration of the committee that the owners request for the ship to proceed in ballast to Far East Port for breaking up merits approval. A interim certificate as per attached copy issued for contemplated voyage.

Items examined:

Main engines examined as indicated in the report.

Crankshaft deflection taken and found satisfactory.

Main Engines examined working under short sea trial and found satisfactory.

Auxiliary Engines:

2 off the aft upper 'tween deck. Auxiliary engines removed and switchboard for all 3 engines disconnected.

The 3 lower fwd. auxiliary engines being used for contemplated voyage, generally examined and examined working and found satisfactory.

All factory installations and press boiler not being used for contemplated voyage. Factory installation partly removed from the ship.

Electrical installation examined and tested and all defect circuits not being used for contemplated voyage now disconnected. Defects on necessary circuits repaired and placed in order.

Auxiliary pumps and piping arrangement generally examined and tested working and found satisfactory.

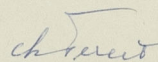
Auxiliary Boilers:

The s.s. fwd. outboard (No.4) and s.s. fwd. inboard (No. 3) boilers being used for contemplated voyage. Same examined as indicated in the Report and found satisfactory.

Steam piping arrangement examined under operating conditions and found satisfactory.

Steering Machinery and windlass generally examined and examined working and found satisfactory.

Condition of class to No. 1 condenser water box specially examined and found satisfactory for contemplated voyage.



L. Tveit.

Surveyor to Lloyd's Register  
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