

REPORT OF **MACHINERY SURVEYS AND REPAIRS**
(ENGINES AND AUXILIARIES)

Received London
7 NOV 1962

Ship's Name **SS/MS "LUCERNA"** Gross tons **11292.**
Is there a rpt. 8? **Yes.** Port **FALMOUTH** Rpt. No. **14307**
No. of visits **10** First date **22nd Oct. 1962** Last date **7th November, 1962.**
Interim Cert. issued & copy herewith? **Yes.** Damage rpt. issued & copy herewith? **No.** Last rpt. (H.Q. only)
Date of completing rpt. **21st Nov. 1962.** Surveyed at, if different from Port above
Is a rpt. 9B attached? **Yes.** MN **1102.** Nature of survey **CSM, ABS, TS, DS, and condition of Class.**
Survey fees Damage fee Expenses
SM. **£46.0.0.**
S. **7.0.0.**
BS. **18.0.0.** **5/-.**
S.A. fee **£4.4.0.**

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

1	Cyls., covers, pistons & rods	No. 3	Good.	
2	Valves & gears	No. 3	Good.	
3	Con. rods, top ends & guides centre	No. 3	Good.	Side No. 3 Good.
4	Crankpins & bearings centre	No. 3	Good.	Side No. 3 Good.
5	Journals & bearings	No. 4	Good.	

MAIN ENGINE DRIVEN AIR COMPRESSORS (State Port—P or Starboard—S)

6	Cyls., covers, pistons & rods	7	Con. rods & top ends
8	Crankpins & bearings	9	Journals & bearings
10	Coolers & safety devices		

MAIN ENGINE DRIVEN SCAVENGE PUMPS (State Port—P or Starboard—S)

11	Cyls., covers, pistons & rods	12	Con. rods & top ends	Good.
13	Crankpins & bearings	14	Journals & bearings	

MAIN TURBINES (State Port—P or Starboard—S)

16	Casings, rotors, blading, bearings & thrusts	15	Levers
17	Reduction gearing		
18	Scavenge blowers	19	Superchargers

I recommend that the machinery of this ship remain as classed with/without fresh record of ABS 11,62 TS.CL 10,62 now and CSM (with date) when the survey has been completed and without special conditions regarding the aft air compressor.

(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

AS now, without special.
TS. 10.62.
ABS. 11.62.

L.A. Yarnall & G. Moffatt
Surveyor to Lloyd's Register of Shipping

ALSO FOR

SPL FOR

TRO

SRL

POSTING

HEADER

CERT

Lloyd's Register
Foundation

20 Exhaust steam turbines (with recip. eng.)	21 Thrust blocks shafts & bearings	Good.	
22 Steam compressors	23 Intermediate shafts & bearings	Good.	
24 Clutches & hydraulic couplings	25 Condensers (main & aux.)		
26 Steam re-heaters	27 Air ejectors (main & aux.)		
28 De-super-heaters	29 Forced &/or induced draught fans	Good.	
30 Stop & manoeuvring valves	31 Holding down bolts & chocks		32 Detuner or vibration damper
33 Main engine driven pumps			
34 Crankcase doors & explosion relief devices	35 Have main engines been tested working & manoeuvring? (To be done on completion of ES or CS cycle)		

36 Essential independent pumps S. bilge pump. Stand-by F.W. jacket cooling pump. GS Pump. Stand-by S.W. cooling pump. All Good.

37 Bilge, ballast & oil fuel suction lines, fittings & controls	38 Have the remaining piping arrangements & fittings in the machinery space been examined as considered necessary?	
39 Fresh water coolers	40 Lub. oil coolers	
41 Heaters (state service)	42 Feed water filters	
43 Auxiliary air receivers & safety devices	44 Starting air pipes	
45 Main air receivers & safety devices		
46 Independent air compressors coolers & safety devices	Aft Good.	
47 Oil fuel tanks (not forming part of the hull structure)		
48 Have all evaporators safety valves been tested under steam?	49 Evaporators HP & LP	50 Distillers
51 Fire extinguishing arrangements	52 Steering machinery	53 Windlass

AUXILIARY ENGINES F. Fan engine. S.W. cooling pump engine. All Good.

PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC.

REPAIRS. M.E. No.3 centre top end bearing remetalled and crosshead pins machined true. M.E. No.3 lower piston skirt renewed on account of wear.

CONDITION OF CLASS.

Aft air compressor water jacket (Metalocked 4,62) being examined by 10,62.

NOW DONE. Aft air compressor entablature and water jacket renewed in its entirety. New entablature stamped:-
Tested 50 p.s.i. LLOYD'S IPS. RP. 7.9.59.

Compressor tested on completion of repairs and found satisfactory. It is recommended that the above item be deleted from the S.R.List.

The reason for repairs must be stated and those on account of damage, the alleged cause of which must be given, should be detailed separately from 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 also be reported above.

State Port Starboard
Test this should be stated. Engine parts when referred to by numbers should be counted from forward.

Identify by position
Circumstances and action taken recommended described fully under "defects and repairs".

Where repairs have been effected or it is

© 2021