

Rpt. 9A REPORT OF MACHINERY SURVEYS AND REPAIRS (ENGINES AND AUXILIARIES)
 FOR CONSIDERATION BY THE COMMITTEE OF LLOYD'S REGISTER OF SHIPPING

Received London
 20. APR. 1966

Ship's Name ~~SS~~/MS "BERLIN" LR 504 236
 Gross tons 18600 Port of Registry Bremen Port Bremen
 Date of build 11-1925 Is there a rpt. 8? no Rpt. No. 66/8062
 No. of visits two First date 29.3.66 Last date 30.3.66
 Interim Cert. issued & copy herewith? yes Damage rpt. issued & copy herewith? Last rpt. (H.Q. only) *BMD 66/8002*
 Date of completing rpt. 5.4.66 Surveyed at, if different from Port above Bremerhaven
 Is a rpt. 9B attached? no MN (2533) Nature of survey CSM
 Survey fees DM 250,-- Damage fee Expenses DM 16,--
 S.A. fee

22 APR 1966

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

- 1 Cyls., covers, pistons & rods
- 2 Valves & gears
- 3 Con. rods, cross-heads, bearings & guides centre Side
- 4 Crankpins & bearings centre Side
- 5 Journals & bearings

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

- 6 Cyls., covers, pistons & rods
- 7 Con. rods, cross-heads & bearings
- 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, cross-heads & bearings
- 13 Crankpins & bearings
- 14 Journals & bearings

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

- 15 Casings, rotors, blading, bearings & thrusts
- 16 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 CSM (with date) upon completion subject to any outstanding condition of class being dealt with as previously recommended.

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

U. J. Fedderwitz
 Surveyor to Lloyd's Register of Shipping
 (K.H. Fedderwitz)

Date of Committee

THURSDAY 28 APR 1966

Minute

Deferred for Stbd. Ts

ALSO FOR

SPL FOR

POSTING

HEADER

CERT

NOTED BY
 CESR



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At part or complete Special Surveys those items which are not applicable to the ship are to be cancelled; this need not be done when the machinery is on a continuous survey basis. When any part has been subjected to pressure test this should be stated. Engine parts when referred to by numbers should be counted from foreward.

considered that re-examination or repairs should be made before 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".

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 repairs have been effected or it is

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

State
Port P. or
Starboard S.

36 Essential independent pumps Air pump (in boiler room) good
Both forced circulating pumps 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 receiver* & safety devices	44 Starting air pipes
45 Main air receivers & safety devices	
46 Independent air compressors coolers & safety devices	
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
51 Fire extinguishing arrangements	50 Distillers
	52 Steering machinery
	53 Windlass

Identify by position

AUXILIARY ENGINES Port and centre (for air compressors) - good

PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC.

Wear and Tear Repairs:

Port Compressor Nos 1+2 gudgeon pin bearings of the air compressor and Nos 1+4 gudgeon pin bearings of the oil engine remetalled (excessive wear)

Centre Compressor Nos 1+2 gudgeon pin bearing of the air compressor and Nos 3+4 gudgeon pin bearings of the oil engine remetalled (excessive wear)

No 2 air compressor liner replaced by ship's spare

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.