

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. MAR 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. 66/8002

No. of visits 8 First date 17.12.65 Last date 4.2.66

Interim Cert. issued & copy herewith? yes Damage rpt. issued & copy herewith? Last rpt. (H.Q. only) *BMN 65/7936*

Date of completing rpt. 22.2.66 Surveyed at, if different from Port above Bremerhaven

Is a rpt. 9B attached? yes MN (2533) Nature of survey CSM, DBS

Survey fees Damage fee Expenses
 CSM DM 480,-- DM 48,--
 DBS DM 264,--
 S.A. fee

8 MAR 1966

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

	Port	Stb.
1 Cyls., covers, pistons & rods	Nos. 1, 2, 3, 4, 5 and 6 good	
2 Valves & gears	Nos. 1, 2, 3, 4, 5 and 6 good	
3 Con. rods, cross-heads, bearings & guides centre		Side
4 Crankpins & bearings centre		Nos. 2 and 6 good
5 Journals & bearings	Nos. 7 and 8 good	Nos. 4, 5, 6 and 7 good

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)

16 Casings, rotors, blading, bearings & thrusts	15 Levers
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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 DBS 2.66 when both exhaust gas economisers have been examined and their safety valves adjusted under steam subject to any outstanding condition of class being dealt with as previously recommended. *DF*

(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

U. G. Fedderwitz
 Surveyor to Lloyd's Register of Shipping

(K.H. Fedderwitz)

TUESDAY 15 MAR 1966

Defended for 15.15.

DBS, 2.66.

note on file
DF

ALSO FOR

SPL FOR

NOTED BY
 TRO
 CESR

SRL

POSTING

HEADER

CERT

FOR CHAIRMAN
 CLASS. OFFICE



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Lloyd's Register
 Foundation

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 forward.

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 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".

20 Exhaust steam turbines (with recip. eng.)	21 Thrust blocks shafts & bearings	port - good	State Port P. or Starboard S.
22 Steam compressors	23 Intermediate shafts & bearings		
24 Clutches & hydraulic couplings	25 Condensers (main & aux.)		
26 Steam re-heaters	27 Air ejectors (main & aux.)		
28 De-superheaters	29 Forced &/or induced draught fans		
30 Stop & manoeuvring valves	31 Holding down bolts & chocks	32 Detuner or vibration damper	

34 Crankcase doors & explosion relief devices

35 Have main engines been tested working & manoeuvring? (To be done on completion of ES or CS cycle) p + s yes - good

36 Essential independent pumps

Port fwd and port aft bilge pumps good

Stb. aft fuel oil transfer pump good

Port fuel oil service pump good

Stb. outer lub. oil pump good

Port oil burning pump good

Stb. steering gear pump 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

47 Oil fuel tanks (not forming part of the hull structure)

48 Have all evaporators safety valves been tested under steam?

Evaporators

49 HP & LP

50 Distillers

51 Fire extinguishing arrangements

Steering

52 machinery

53 Windlass

AUXILIARY ENGINES

Port inboard - good

Port outboard - good

Centre - good

Identify by position

PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC.

Wear and Tear Repairs:-

Main bearings of stb. M.E. Nos. 4 and 6 remetalled.

All pistons of port M.E. completely overhauled in workshop (minor repairs effected)

Centre diesel generator engine Nos. 2 and 3 crankbearing replaced by ships spare

Stb. diesel generator engine No. 3 cyl. block replaced by ships' spare at Owners request. (Wear)

Port diesel generator engine 1 and 3 crankbearing remetalled, and labyrinth sealing renewed.

All reported pumps were completely overhauled and repairs carried out as found necessary.

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.