

Rpt. 9A REPORT OF MACHINERY SURVEYS AND REPAIRS (ENGINES AND AUXILIARIES)

Received London

FOR CONSIDERATION BY THE COMMITTEE OF LLOYD'S REGISTER OF SHIPPING

Ship's Name **MS "BERLIN"**
 LR 504 236
 Gross tons 18600 Port of Registry Bremen Port Bremen
 Date of build 11-1925 Is there a rpt. 8? Yes Rpt. No. 65/7652
 No. of visits 4 First date 9.5.1965 Last date 12.5.1965
 Interim Cert. issued & copy herewith? Yes Damage rpt. issued & copy herewith? Last rpt. (H.Q. only)
 Date of completing rpt. 17.5.1965 Surveyed at, if different from Port above Bremerhaven
 Is a rpt. 9B attached? Yes MN 2533 Nature of survey TS(CL), CSM and DBS
 Survey fees Damage fee Expenses S.A. fee
 TS(CL) DM 120,--
 DBS DM 464,--
 CSM DM 150,--
 DM 85,--

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 Stbd. No. 2 - Good, port No. 3 - Good Side
 4 Crankpins & bearings centre Stbd. Nos. 1, 2 and 5 - Good Side
 5 Journals & bearings port Nos. 1 and 4 - 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)

15 Casings, rotors, blading, bearings, & thrusts
 16 Lovers

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 and DBS 5/65 when the safety valves of the port boiler have been adjusted under steam, subject to port screw shaft being specially examined in way of forward end of cone by the end of November, 1965 (record of TS(CL) p. 5/65 being withheld meantime) and to any outstanding conditions of Class being dealt with as previously recommended.

(For K.H. Fedderwitz and self)

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

E. Schöner
 Surveyor to Lloyd's Register of Shipping

Date of Committee

(E. Schöner)

Minute

*as now, Subject
 (port TS record withheld)*



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ALSO FOR

SPL FOR

NOTED BY
 CESR

SRL

POSTING

HEADER

DBS

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 subject to pressure test this should be stated. Engine parts when referred to by numbers should be counted from forward.

considered that re-examination or repairs should be made before that date a distinguishing mark should 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

20 Exhaust steam turbines (with recip. eng.)	21 Thrust blocks shafts & bearings
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
33 Main engine driven pumps	32 Detuner or vibration damper

State
Port P. or
Starboard S.

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

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 Lab. 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?

49 Evaporators HP & LP

50 Distillers

51 Fire extinguishing arrangements

52 Steering machinery

53 Windlass

Identify by position

AUXILIARY ENGINES

PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC.

Now Done:-

Port screw shaft examined and found 2 radial cracks at forward end of the cone, one of which was 60 mm long and 3,4 mm deep, the second one 35 mm long and 2.5 mm deep.

At special request of the Owners and on account of the fact that the spare shaft was also found cracked, both cracks of the working shaft have been ground off. The shaft has been magnafluxed on completion and was found sound so far as could be seen.

It was recommended to re-examine the port screw shaft at next dry docking by 11/65 (6 months limit).

Condition of Class:-

It is recommended that the following entry be made in the S.R.List.

Cone of TS in way of forward end to be specially examined by 11/65. Record of TS(CL) 5/65 being withheld meantime.

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.

