

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

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

Received London

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 TS(CL) DM 120,--
DBS DM 464,--
CSM DM 150,--
Damage fee *do*
Expenses DM 85,--
S.A. fee

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	Levers
16	Casings, rotors, blading, bearings, & thrusts

17	Reduction gearing	19	Superchargers
18	Scavenge blowers		

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.)

Surveyor to Lloyd's Register of Shipping

Date of Committee

(E. Schöner)

Minute

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



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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 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

Exhaust steam turbines (with recip. eng.)	20	Thrust blocks	21	shafts & bearings
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	
Essential independent pumps	36			
Bilge, ballast & oil fuel suction lines, fittings & controls	37	Have the remaining piping arrangements & fittings in the machinery space been examined as considered necessary?	38	
Fresh water coolers	39	Lab. oil coolers	40	
Heaters (state service)	41	Feed water filters	42	
Auxiliary air receivers & safety devices	43	Starting air pipes	44	
Main air receivers & safety devices	45			
Independent air compressors coolers & safety devices	46			
Oil fuel tanks (not forming part of the hull structure)	47			
Have all evaporators safety valves been tested under steam?	48	Evaporators HP & LP	49	
Fire extinguishing arrangements	51	Steering machinery	52	
		Distillers	50	
		Windlass	53	

State
Port P. or
Starboard S.

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.