

Rpt. 9A

REPORT OF MACHINERY SURVEYS AND REPAIRS

(ENGINES AND AUXILIARIES)

Received London

3. NOV. 1965

Ship's Name *88/MS* 'GUANG MING' LR 650606 Gross tons 10400

Is there a rpt. 8? *No* Port *Liverpool* Rpt. No. *167225*

No. of visits 2 First date and Last date *1/10/65*

Interim Cert. issued & copy herewith? Yes Damage rpt. issued & copy herewith? No Last rpt. (H.Q. only) *ROT. 60678*

Date of completing rpt. *7/10/65* Surveyed at, if different from Port above

Is a rpt. 9B attached? No MN Nature of survey Damage

Survey fees Damage fee Expenses *12/-*

*£15*

S.A. fee

*100*

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

1 Cyls., covers, pistons & rods

2 Valves & gears

3 Con. rods, top ends & 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 & 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

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

Survey 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.)

Date of Committee *LIVERPOOL* -2 NOV 1965 A. Jackson and B. Whiting.

Minute

*As now*

*A. Jackson B. Whiting*  
Surveyor to Lloyd's Register of Shipping

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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	32 Detuner or vibration damper
33 Main engine driven pumps		

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)
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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 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?	49 Evaporators HP & LP
51 Fire extinguishing arrangements	52 Steering machinery
	50 Distillers
	53 Windlass

Identify  
by  
position

## AUXILIARY ENGINES

## PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC.

Damage stated to have been sustained to the windlass motor due to overheating whilst heaving anchor off Liverpool on the 29th September, 1965.

### Now Done :

Armature removed ashore, commutator undercut and drop tested. Bush arms and holders renewed. Meggar tested and found satisfactory. Assembled in position and windlass examined under working conditions, heaving both anchors simultaneously and all found satisfactory.

It was stated that the cause of the breakdown was due to a brush holder being detached and that when the motor was opened up for examination, the brush box was found lying in the bottom of the endplate.

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.

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