

17. NOV. 1965

Ship's Name ~~SS/MS~~ DURHAM LRN 509510

Gross tons 10984

Port of Registry LONDON

Port LONDON

Date of build 9-1934

Is there a rpt. 8? YES

Rpt. No. 155253

No. of visits 4

First date 1-11-65

Last date 5-11-65

Interim Cert. issued  
& copy herewith? YESDamage rpt. issued  
& copy herewith? -

Last rpt. (H.Q. only)

Date of  
completing rpt. 8-11-1965

Surveyed at, if different from Port above

Is a rpt. 9B  
attached? No

MN 2236

Nature of survey

CSM  
GENERAL EXAMINATION  
CONDITION OF CLASS

Survey fees

Damage fee

Expenses

CSM £20-0-0

GENERATOR  
METALOCK  
REPAIR £5-0-0

£110/0

S.A. fee

15 NOV

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

1 Cyls., covers,  
pistons & rods

2 Valves &amp; gears

3 Con. rods, cross-  
heads, bearings  
& guides centre

Side

4 Crankpins &  
bearings centre

Side

5 Journals &  
bearings

P No 2 + P No 8 Good

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

6 Cyls., covers,  
pistons & rods7 Con. rods, cross-  
heads & bearings8 Crankpins &  
bearings9 Journals &  
bearings10 Coolers &  
safety devices

MAIN ENGINE DRIVEN SCAVENGE PUMPS (State Port—P or Starboard—S)

11 Cyls., covers,  
pistons & rods12 Con. rods, cross-  
heads & bearings13 Crankpins &  
bearings14 Journals &  
bearings

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

16 Casings, rotors,  
blading, bearings  
& thrusts

15 Levers

17 Reduction  
gearing18 Scavenge  
blowers

19 Superchargers

I recommend that the machinery of this ship remain as classed with/without fresh record of CSM (WITH DATE) WHEN THE SURVEY HAS BEEN COMPLETED, WITHOUT SPECIAL CONDITION IN RESPECT OF THE METALOCK REPAIR TO THE SCAVENGE PUMP GUIDE OF THE POLAR (PORT AFTER) AUXILIARY ENGINE SUBJECT TO ANY OUTSTANDING CONDITIONS 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

Minute

Deferred for comp CSM + ABS  
(without one con)

ALSO FOR

SPL FOR

NOTED BY  
TPO  
CESR

SRL

POSTING

HEADER

CERT

004789-004798-0232

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.

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.)	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)	YES P+S
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36 Essential independent pumps

37	Bilge, ballast & oil fuel suction lines, fittings & controls	Good	38	Have the remaining piping arrangements & fittings in the machinery space been examined as considered necessary?	YES
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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

Identify  
by  
position

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

## AUXILIARY ENGINES

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

CONDITION OF CLASS "PORT AFTER AUXILIARY ENGINE SCAVENGE PUMP GUIDE TO BE SPECIALLY EXAMINED IN WAY OF METALOCK REPAIR BEFORE THE END OF SEPTEMBER 1965" PER SRL No 243.

NOW DONE: METALOCK TO SCAVENGE PUMP GUIDE OF THE PORT AFTER AUXILIARY ENGINE SPECIALLY EXAMINED AND REPAIR FOUND EFFICIENT. AS THIS REPAIR WAS CARRIED OUT 2 1/2 YEARS AGO IT IS RECOMMENDED THE CONDITION BE NOW DELETED.

THIS SHIP IS STATED TO BE PROCEEDING TO JAPAN TO BE BROKEN UP AND IN ORDER TO MAINTAIN CLASS UNTIL THE 1<sup>ST</sup> FEBRUARY 1966 A GENERAL EXAMINATION OF THE MAIN AND AUXILIARY MACHINERY AND ELECTRICAL INSTALLATION HAS BEEN CARRIED OUT. SUBSEQUENTLY ALL MAIN AND AUXILIARY MACHINERY WAS EXAMINED AND TESTED UNDER WORKING CONDITIONS AND FOUND IN EFFICIENT CONDITION.

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.