

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

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

Received London  
31. AUG. 1965

Ship's Name **SS/MS**

"DURHAM"

LR509510

Port of

Gross tons 10984

Registry

London

Port

Auckland

Date of build 9-1934

Is there a rpt. 8?

No

Rpt. No.

12,303

No. of visits

1

First date

and

Last date

18/8/65

Interim Cert. issued  
& copy herewith?

Yes

Damage rpt. issued  
& copy herewith?

No

Last rpt. (H.Q. only)

LON 154055

Date of  
completing rpt.

23/8/65

Surveyed at, if different from Port above

Is a rpt. 9B  
attached?

No

MN

Nature of survey

CSM

Survey fees

CSM

£9. 0. 0

Damage fee

Expenses

5/0d.

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

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, 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

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) when the Survey has been completed, subject to any outstanding conditions of class being dealt with as previously recommended.

ALSO FOR

SPL FOR

NOTED BY  
CESR

POSTING

HEADER

CERT

(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

10.65.  
Minute

TUESDAY 21 SEP 1965

Deferred for sp. csm  
Subs

Surveyor to Lloyd's Register of Shipping

A. Pontingford.

FOR CHAIRMAN  
CLASSN. CITE.

Lloyd's Register  
Foundation

004789-004798-0237

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  
20 recip. eng.)

22 Steam  
compressors

24 Clutches & hyd-  
raulic couplings

26 Steam  
re-heaters

28 De-super-  
heaters

Stop & manoeuv-  
ring valves

Main engine  
33 driven pumps

21 Thrust blocks  
shafts & bearings

23 Intermediate  
shafts & bearings

25 Condensers  
(main & aux.)

27 Air ejectors  
(main & aux.)

29 Forced &/or induced  
draught fans

31 Holding down  
bolts & chocks

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

Aft main engine combined piston cooling and jacket  
cooling 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?

49 Evaporators  
HP & LP

50 Distillers

51 Fire extinguishing arrangements

52 Steering  
machinery

53 Windlass

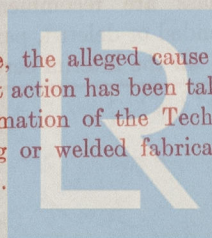
Identify  
by  
position

## AUXILIARY ENGINES

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

Minor wear and tear repairs carried out.

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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