

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. 1966

Ship's Name ~~SSMS~~ " DRAGON "

Port Fleetwood.

Processing  
Number: LR 509354

Gross tons 522

Rpt. No. ~~1964~~ 168922

Port of Registry Fleetwood.

Date of build 4/1942

Is there a rpt. 8? Yes

No. of visits 6

First date 29-6-66

Last date 1-8-66.

Interim Cert. issued  
& copy herewith? Yes

Damage rpt. issued  
and copy herewith? No

Last rpt. (H.Q. only) LIV. 166484.

Date of  
completing rpt. 2-8-66.

Surveyed at, if different from Port above

Is a rpt. 9B  
attached? Yes

MN

Nature of survey MBS, TS(CL) & Docking.

Survey fees MBS:-£13:0:0d

Damage fee -

Expenses -

TS(CL):-£8:0:0d

Repairs:-£10:10:0d.

S.A. fee -

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

1 Cyls., covers, pistons,  
rods, valves & gears

2 Con. rods, crossheads,  
bearings & guides Side

3 Crankpins  
(incl. eccentrics)  
& bearings Centre  
Side

4 Crankshaft journals  
& bearings Centre

5 Detuner or  
vibration damper

MAIN ENGINE DRIVEN SCAVENGE PUMPS AND/OR AIR COMPRESSORS (delete as applicable)

6 Cyls., covers,  
pistons & rods

7 Con. rods, crossheads,  
bearings & guides

8 Crankpins &  
bearings

9 Journals &  
bearings

10 Levers, links &  
bearings

11 Coolers &  
safety devices

12 Scavenge blowers  
& superchargers

13 Air coolers

14 Crankcase & scavenge doors & explosion relief devices

MAIN TURBINES

15 Casings, rotors,  
blading, bearings,  
thrusts & couplings

16 Astern turbine

I declare that the items detailed in this report (except as stated otherwise) comply with the requirements of the Merchant Shipping (Cargo Ship Construction and Survey) Rules 1965, applicable to this ship and are in all respects satisfactory for the service on which the ship is intended to ply, namely, International voyages/voyages within the limits

(The above declaration applies to sea-going cargo ships of 500 tons gross and above registered in the U.K.)

I recommend that the machinery of this ship remain as classed with ~~no~~ fresh record of M.B.S. 8/66.  
TS(CL) 8/66., subject to  
Main boiler furnaces, compensation girders to be specially examined at  
the next M.B.S., not later than 7/67.

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

I.A. McIntyre. Surveyor to Lloyd's Register of Shipping

Date of Committee LIVERPOOL 30 AUG 1966

Minute

As now, subject  
TS 8,66 MBS 8,66

*I.A. McIntyre*  
Lloyd's Register  
Foundation  
004387-004393-0080

ALSO FOR

SPL FOR

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are to be cancelled; this need not be done when the machinery is on a continuous survey basis. When any part has been hydraulically tested the pressure should be stated. Engine parts when referred to by numbers should be counted from foreward.

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". At part or complete Special Surveys those items which are not applicable to the ship

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 re-examination or repairs should be made before



## MAIN REDUCTION GEARING

17 Pinions & wheels	18 Shafts, bearings & couplings	
19 Exhaust steam turbines (with recip. eng.)	20 Thrust blocks, shafts & bearings	
21 M.E. steam compressors	22 Intermediate shafts & bearings	
23 Clutches & hydraulic couplings	24 Steam re-heaters	
25 De-superheaters	26 Forced &/or Induced draught fans	
27 Stop & manoeuvring valves	28 Holding down bolts & chocks	
29 Main engine driven pumps (including fuel injection)		
30 Condensers (main & aux.)	31 Air ejectors (main & aux.)	
32 Have main engines been examined working & manoeuvring?		
33 Essential independent pumps		
34 Bilge, ballast & oil fuel suction lines, fittings & controls	35 Have the remaining piping arrangements & fittings in the machinery space been examined as considered necessary?	
36 Fresh water coolers	37 Lub. oil coolers	
38 Heaters & safety devices including de-aerator (state service)	39 Pressure feed water filters	
40 Auxiliary air receivers & safety devices	41 Starting air pipes	
42 Main air receivers & safety devices	44 Oil fuel tanks (not forming part of the hull structure)	
43 Independent air compressors, coolers & safety devices		
45 Have all evaporators safety valves been tested under steam?	46 Evaporators	47 Distillers
48 Steering machinery	49 Windlass	50 Machinery spare gear

State  
Port P. or  
Starboard S.Identify  
by  
position

## AUXILIARY ENGINES

## DOCKING

Propeller	Good	Sea connections	Good	Oil gland	None
Fastenings & gratings	Good			Clearance in stern bush (if relined state clearance before & after)	.180"
Has screw/tube shaft been drawn?	Yes			Date of examining shaft & condition	8-7-66
Has shaft been changed?	No			Has shaft now fitted been previously used?	-
Has shaft now examined/fitted a continuous liner?	Yes			Approved oil gland	No.

PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC. for MBS:- Furnaces (p.& s) drilled in way of local wastage. Thickness .610". Distorted corrugations jacked out and M.S. plate girders fitted over crown port furnace (3) Starbd furnace (3) 5" deep x  $\frac{5}{8}$ " thk.

The machinery of this vessel so far as seen is in efficient order and eligible in my opinion to remain as classed subject to Main boiler furnaces (p.& s) girder compensation being specially examined by 7/67 (12 mos).

State whether continuation sheet attached No.

The reason for repairs must be stated and those on account of damage, the alleged cause of of which must be given, should be detailed separately for 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 be reported above.