

Rpt. 9A

REPORT OF MACHINERY SURVEYS AND REPAIRS
(ENGINES AND AUXILIARIES)

Received London
29 JUL 1963

Ship's Name ~~SS/46~~ M. Tanker "SAN ANTONIO" 11163 Gross tons

Is there a rpt. 8? Yes Port Buenos Aires Rpt. No. 35257

No. of visits 15 First date 28-11-62 Last date 12-6-63

Interim Cert. issued & copy herewith? Yes Damage rpt. issued & copy herewith? None Last rpt. (H.Q. only)

Date of completing rpt. 26-6-63 Surveyed at, if different from Port above Bahia Blanca

Is a rpt. 9B attached? Yes MN 1120 Nature of survey Re-Classification

Survey fees Damage fee = Expenses 5,000.00

ES 69,000

EI 21,600

ABS 10,800

TS 4,200

S.A. fee =

MAIN ENGINES, RECIP., ~~MANOR I.C. (XXXXXXXXXXXXXX)~~

1	Cyls., covers, pistons & rods	All (8)	Good	
2	Valves & gears	All	Good	
3	Con. rods, top ends & guides centre	All	Good	Side
4	Crankpins & bearing centre	All	Good	Side
5	Journals & bearings	All	Good	

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 PUMP (State Port—P or Starboard—S)

11	Cyls., covers, pistons & rods	Good	12	Con. rods & top ends	Good
13	Crankpins & bearings	Good	14	Journals & bearings	Good
			15	Levers	

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

16	Casings, rotors, blading, bearings & thrusts			
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17	Reduction gearing			
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18	Scavenge blowers		19	Superchargers
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I recommend that the machinery of this ship remain as classed with ~~with~~ fresh record of ES 6/63, ABS 6/63, TS.OG.5/63, SPS 6/63

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 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 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 date of the next Periodical Examination. Where repairs have been effected or it is

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

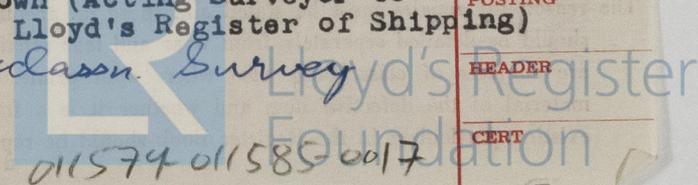
C. G. Sinclair
Surveyor to Lloyd's Register of Shipping

Date of Committee TUESDAY - 3 SEP 1963 E. F. Holmes-Brown (Acting Surveyor to Lloyd's Register of Shipping)

Minute Deferred for completion Survey

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20	Exhaust steam turbines (with recip. engines)	21	Thrust blocks shafts & bearings	Good	
22	Steam compressors	23	Intermediate shafts & bearings	Good	
24	Clutches & hydraulic couplings	25	Condensers (main & aux.)	Good	
26	Steam re-heaters	27	Air ejectors (main & aux.)	-	
28	De-superheaters	29	Forced & draught fans	Good	
30	Stop & manoeuvring valves		Holding down bolts & chocks	Good	32 Detuner or vibration damper
33	Main engine driven pumps	All fuel valve pumps		Good	
		Fuel oil surcharge p.p.		Good	
34	Crankcase doors & explosion relief devices	35	Have main engines been tested working & manoeuvring? (To be done on completion of ES or CS cycle)	Good	Yes
36	Essential independent pumps	Fwd. FW combined SW cylinder cooling water pumps (PS) Good			
		Aft. " " " " " " (PS) Good			
		Fwd. No.1 & Aft. No.2 lub. oil pumps (PS) Good			
		General service pump (SS) Good			
		Ballast pump (steam) S.S. Good			
		Fwd. & Aft. boiler feed pumps Good			
		Upper & lower boiler oil fuel pumps Good			
		Elect. and steam fuel oil transfer pumps Good (S.S.)			
37	Bilge, ballast & oil fuel suction lines, fittings & controls	Diesel oil transfer pump (Fwd inboard) Good			Have remaining piping arrangements & fittings in the machinery space been examined as considered necessary?
		Fire, sanitary pumps Good			
		2 (FW) pumps Good			
39	Fresh water coolers	40	Upper platform (PS) tested	Good	40 Lub. oil coolers (2) Upper platform (F&A) Good
41	Heaters (state service)	42	Boiler oil fuel good		42 Feed water filters -
43	Auxiliary air receivers & safety devices	44	Bolt platform (SF) Good		44 Starting air pipes Good
45	Main air receivers & safety devices	(2) Upper platform (F. & A) Good			
46	Independent air compressors coolers & safety devices	(1) Elect Driven (S.F.) Good			
47	Oil fuel tanks (not forming part of the hull structure)	(3) Upper Platform (Fwd) Good			
48	Have all evaporator safety valves been tested under steam?	49	Evaporators & LP	Good	50 Distillers -
51	Fire extinguishing arrangements	52	Steering machinery	Good	53 Windlass Good
AUXILIARY ENGINES		Port Aux. engine and its driven air compressor (110 KW) Good			
		Stbd. " " " " " " (110 KW) "			
		Stbd. Aft. Steam (Dynamo) 85 KW Good.			

State Port P. or Starboard S.

Identify by position

PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC.

Condition of Class Item.

Repair to the Port Auxl. diesel generator engine entablature specially examined & found in good condition, recommended that this item be entered in the Special Reasons appendix as Port aux. diesel generator engine bedplate entablature (metlock repaired 8/59) (refer to Buenos Aires Report No. 30796 dated August 1959.)

NOW DONE FOR WEAR & TEAR REPAIRS.

All bridge navigation, mast lighting and all accomodation electric cables renewed, replaced by similar cables & satisfactory.

ME No.5 & 7 journal bearings remetalled

ME No.1 top end bearings remetalled

ME No.1 cylinder liner (worn) renewed, (Stamping of new liner:- LLOYD'S test 10 Kg. 30-6-1948 No.19911

ME cylinder side connection bolts all (100) renewed.

ME All piston head bolts renewed. All doors of both lub.oil coolers renewed.

ME Holding down bolts tightened up & renewed as necessary. Also minor wear & tear repairs affected.

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 be reported above. Attached are sketches of the main and auxiliary machinery general arrangement.