

Rpt. 9

Date of writing report 9-8-61

Survey held at Rangoon

Received London

No. of visits 7

Port Rangoon

First date 12-7-61

No. 06282

Last date 9-8-61

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 94368 Name M.V. "ANTONAKIS" Ex "ZONNEWIJK"

Gross tons 7185

Date of build 10-1941

Owners COMPANIA NAVIERA DEL EGEIO S.A. Managers

Port of Registry SYROS

Engines made Sld By Wm, Doxford & Sons Ltd.

Type Oil Eng: 2SA 3Cy 600x2320mm

No. of Main Engines 1 No. of Screws 1

Records of Survey & Special Notations as per Register Book

No. of Main Boilers - W.P. -

No. of Aux. Boilers 2 W.P. 120 lbs

Surveyed Afloat or in Dry Dock Afloat

Nature of Survey C.S & damage repair

Was Damage Report issued? No Int. Cert.? Yes

Last Report (For Head Office only)

Hull	Machinery
+ 100 A1 SS 8/58 with freeboard	+ LMC

The condition of any of the following items is to be described as "good" only when the part 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 it is considered that re-examination or repairs should be effected before the due date of the next Periodical Examination a distinguishing mark thus † should be inserted against the item and the circumstances and action recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship should be cancelled with a black line; 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.

DOCKING Propellers Wear Down of Stern Bushes Oil Glands Sea Connections

Fastenings Has Screwshaft Tubeshaft been drawn? Date of Examination Has Shaft been changed?

Has Shaft now fitted been previously used? Has Shaft now examined/fitted a continuous liner? Approved oil gland?

MAIN ENGINES (Recip. Steam or I.C.)

PORT

STARBOARD

1 Cyls., Covers, Pistons & Rods No. 2 & 3 unit - good.

2 Valves & Gears No. 2 & 3 unit - good.

3 Connecting Rods, Side No. 2 & 3 unit - good.

Top Ends & Guides Centre No. 2 & 3 unit - good.

4 Crankpins & Side

Bearings Centre

5 Journals & Bearings

MAIN ENGINE DRIVEN AIR COMPRESSORS

6 Cyls., Covers, Pistons & Rods

7 Connecting Rods & Top Ends

8 Crankpins & Bearings

9 Journals & Bearings

10 Coolers & Safety Devices

MAIN ENGINE DRIVEN SCAVENGE PUMPS

11 Cyls., Covers, Pistons & Rods

12 Connecting Rods & Top Ends

13 Crankpins & Bearings

14 Journals & Bearings

15 Levers

16 SCAVENGE BLOWERS

17 SUPERCHARGERS

MAIN TURBINES

18 Casings, Rotors, Blading, Bearings & Thrusts

19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

20 STEAM COMPRESSORS

21 CLUTCHES & HYDRAULIC COUPLINGS

22 REDUCTION GEARING

23 THRUST BLOCKS, SHAFTS & BEARINGS

24 INTERMEDIATE SHAFTS & BEARINGS

25 HOLDING DOWN BOLTS & CHOCKS

26 CONDENSERS (MAIN & AUX.)

27 STEAM RE-HEATERS

28 DE-SUPERHEATERS

29 STOP & MANOEUVRING VALVES

30 MAIN ENGINE DRIVEN PUMPS Lub: oil; F/W cooling & S/W cooling - good.

31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES Have Main Engines been tested working and manoeuvring? Yes

OPINION OF MACHINERY AND RECOMMENDATIONS

The machinery of this vessel so far as now seen is in safe working condition and eligible in my opinion to be retained as classed, subject to Main Engine For'd Flywheel and repair being re-examined by end January 1962 (Six months)

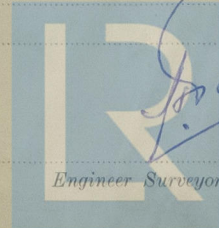
Date of Committee

Decision

TUESDAY - 5 SEP 1961

as now subject.

50m,4,59 T. (MADE AND PRINTED IN ENGLAND)



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Lloyd's Register

Engineer Surveyor to Lloyd's Register of Shipping

Foundation

000725-007735-0288

32 Essential Independent Pumps (Identify by position)
33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls
34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary?
35 Fresh Water Coolers
36 Lub. Oil Coolers Main (Port O/B) - good.
37 Heaters (state service)
38 Independent Air Compressors, Coolers & Safety Devices
39 Air Receivers & Safety devices—Main
40 Auxiliary
41 Oil Fuel Tanks (Not forming part of hull structure)
42 Evaporators
43 Have Evaporator Safety Valves been tested under steam?
44 Steering Machinery
45 Windlass
46 Fire Extinguishing Arrangements

AUXILIARY ENGINES (Identify by position)

Table with 4 columns: PROPULSION, PORT, STARBOARD, ELECTRICAL EQUIPMENT, and AUXILIARY EQUIPMENT. Rows include Generators, Exciters, Air Coolers, Motors, Control Gear, Cables, etc., Insulation Resistance, Insulating Oil Test, Overspeed Governors, Magnetic Couplings, Air Gap, and various auxiliary equipment like Generators & Governors, Motors, Switchboards & Fittings, Circuit Breakers, Cables, Insulation Resistance, Steering Gear Generators and Motors, and Navigation Light Indicators.

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)
MAIN
AUXILIARY, DONKEY or PRESS
Superheaters
Safety Valves
Mountings, Doors & Fastenings
Safety Valves Adjusted to { Sat. Spt.
Boiler Securing Arrangements
Main Economisers
Exhaust Gas Heated Economisers
Steam Heated Steam Generators
Steam Generator Safety Valves Adjusted to
Were Oil Burning System & Remote Controls examined working in accordance with Rules?
Forced Circulating Pumps
Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules?
Funnel

EXAMINATION & TESTING OF STEAM PIPES (State material)
Main
Auxiliary (over 3 in. bore)
Were Copper Pipes annealed?
Have Saturated Pipes in cylindrical boiler smoke boxes been tested?

PARTICULARS OF DEFECTS & REPAIRS, ETC. (Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding items which are subjects of class)
It was reported that while the vessel was on passage to Rangoon from Singapore on the 22nd. June 1961 at 18:35 hrs 2Nos. coupling bolts on the For'd Flywheel sheared off. Vessel proceeded to Rangoon at reduced speed.
On my examination on the 12th. July 1961 found the following:-
(i) Three cracks in the flywheel from centre to coupling bolt holes. Two through bolt holes next to relieving slot in direction of rotation and one to centre bolt in the 3rd. section of flywheel. One crack carried through bolt hole to relieving slot, piece 6"x1 1/2" broken.
(ii) Two coupling bolts sheared off at head, other coupling bolts suspect.
Recommended the following repair :-
1" thick backing ring with packing piece bolted on by fitted bolts (9Nos.) between lightening holes to flywheel and backing piece and flywheel reameder out and new coupling bolts fitted.
Recommended that repair and Flywheel be re-examined by end January 1962 (six months)

LEAVE THIS SPACE BLANK

Table with 2 columns: Description and Amount. Rows include Survey fees (K.1100.00), W&T Repairs (K. 420.00), Damage fee, and Expenses (K. 280.00).

Date when A/c rendered