

Rpt. 9

Date of writing report 6.9.56

Survey held at Piraeus

Received London

110 SEP 1956

No. of visits 15

Port Piraeus

First date 18.6.56

No. 6943

Last date 27.7.56

## REPORT OF PERIODICAL SURVEYS &amp; REPAIRS OF MACHINERY

No. in R.B. 67114 Name ~~XXXX~~ "KYRIAKOULA"

Gross tons 2294 Date of build 1921-10

Owners Santa Barbara Cia. De Nav. S.A. Managers

Port of Registry Puerto Limon

Engines made Sld. By Richardsons, Westgarth &amp; Co. Ltd.

Type T 3Cy.

No. of Main Engines 1 No. of Screws 1

No. of Main Boilers 2 W.P. 180lb.

No. of ~~XXX~~ Donkey Boilers 1 W.P. 100lb.

Surveyed Afloat or in Dry Dock Both

Nature of Survey +LMC, T.S., O.F. Conv. &amp; Damage

Was Damage Report issued? Int. Cert.?

Last Report (For Head Office only)

Records of Survey &amp; Special Notations as per Register Book

Hull	Machinery
+100A1	+LMC 2,52
1,55	BS 11,54
ssShl.-2,52	TS CL 1,55
(Dr) 10,47	

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/ Good Wear Down of Stern Bushes 1/16" Fastenings Good Has Screwshaft been drawn? Yes. Date of Examination 5.7.56 Sea Connections Good

Has Shaft now fitted been previously used? - Has Shaft now examined/ Yes. Has Shaft been changed? No.

MAIN ENGINES (Recip. Steam of XXXX)

Cyls., Covers, Pistons &amp; Rods Good

Valves &amp; Gears "

Connecting Rods, Top Ends &amp; Guides Centre "

Crankpins &amp; Bearings Centre "

Journals &amp; Bearings "

XXXX ENGINE DRIVEN AIR COMPRESSORS

XXXX Covers, Pistons &amp; Rods XXXX

XXXX Connecting Rods &amp; Top Ends

XXXX Crankpins &amp; Bearings

XXXX Journals &amp; Bearings

XXXX Locks &amp; Safety Devices

XXXX ENGINE DRIVEN DRAINAGE PUMPS

XXXX Cyls., Covers, Pistons &amp; Rods

XXXX Connecting Rods &amp; Top Ends

XXXX Crankpins &amp; Bearings

XXXX Journals &amp; Bearings

XXXX Locks &amp; Safety Devices

XXXX ENGINE DRIVEN SCAVENGE PUMPS

XXXX Cyls., Covers, Pistons &amp; Rods

XXXX Connecting Rods &amp; Top Ends

XXXX Crankpins &amp; Bearings

XXXX Journals &amp; Bearings

XXXX Locks &amp; Safety Devices

XXXX ENGINE DRIVEN EXHAUST PUMPS

XXXX Cyls., Covers, Pistons &amp; Rods

XXXX Connecting Rods &amp; Top Ends

XXXX Crankpins &amp; Bearings

XXXX Journals &amp; Bearings

XXXX Locks &amp; Safety Devices

XXXX ENGINE DRIVEN STEAM TRIP PUMPS

XXXX Cyls., Covers, Pistons &amp; Rods

XXXX Connecting Rods &amp; Top Ends

XXXX Crankpins &amp; Bearings

XXXX Journals &amp; Bearings

XXXX Locks &amp; Safety Devices

XXXX ENGINE DRIVEN CONDENSERS

XXXX Cyls., Covers, Pistons &amp; Rods

XXXX Connecting Rods &amp; Top Ends

XXXX Crankpins &amp; Bearings

XXXX Journals &amp; Bearings

XXXX Locks &amp; Safety Devices

XXXX ENGINE DRIVEN TOP &amp; MANOEUVRING VALVES

XXXX Cyls., Covers, Pistons &amp; Rods

XXXX Connecting Rods &amp; Top Ends

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32 Essential Independent Pumps (Identify by position)..... All - Good.

33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls..... Good.

34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary?..... Yes.

35 ~~XXXXXXXXXXXX~~ 36 ~~XXXXXXXXXXXX~~ 37 ~~XXXXXXXXXXXX~~

38 ~~XXXXXXXXXXXX~~ 39 ~~XXXXXXXXXXXX~~ 40 ~~XXXXXXXXXXXX~~

41 ~~XXXXXXXXXXXX~~ 42 Evaporators /Good 43 Have Evaporator Safety Valves been tested under steam?..... Yes.

44 Steering Machinery..... Good 45 Windlass..... Good 46 Fire Extinguishing Arrangements..... Good.

AUXILIARY ENGINES (Identify by position)..... 2 s.s. - Good.

ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT	
1 Generators & Governors.....	Good	1 Generators & Governors.....	Good
2 Switchboards & Fittings.....	Good	2 Switchboards & Fittings.....	Good
3 Circuit Breakers.....	Good	3 Circuit Breakers.....	Good
4 Cables.....	Good	4 Cables.....	Good
5 Insulation Resistance.....	Good	5 Insulation Resistance.....	Good
6 Meters.....	Good	6 Meters.....	Good
7 Navigation Light Indicators.....	Good	7 Navigation Light Indicators.....	Good

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)

MAIN P. & S. 18.7.56 Good. ~~XXXXXXXXXXXX~~ Donkey Boiler now removed.

~~XXXXXXXXXXXX~~ Good

Safety Valves Good

Mountings, Doors & Fastenings Good

Safety Valves Adjusted to Sat. 180 lbs./sq.in.

Boiler Securing Arrangements Good.

~~XXXXXXXXXXXX~~

~~XXXXXXXXXXXX~~

Were Oil Burning System & Remote Controls examined working in accordance with Rules?..... Yes.

~~XXXXXXXXXXXX~~ Good.

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main Copper. Tested - Good. Auxiliary (over 3 in. bore) Copper. Tested - Good.

Were Copper Pipes annealed?..... Yes.

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)

Damage Survey (Report 10 No.D.6958 attached herewith).

Occurrence No.1. Due to grounding on the 24th June, 1955 whilst on a voyage from Aarhus to Hango.

It was recommended that the main engines and part auxiliaries be opened out for examination.

The following machinery repairs were found necessary after opening up:-

Main engine crank shaft main bearings remetalled.

Main engine HP, MP and LP piston rods machined, new neck bushes and new gland bushes fitted. Metallic packing renewed.

Main engine MP and LP slide valve rods machined, new neck bushes and new gland bushes fitted.

Main engine HP guide shoe remetalled.

Main engine HP bottom and remetalled. MP bottom end one half bearing re

Main engine HP eccentric straps remetalled.

Main engine MP slide valve face machined.

Continued

Survey fees £ 202.10. 0.

Damage fee 40. 0. 0.

Expenses... 5. 4. 9.

Stamps 8. 9.

Date when A/c rendered 6 & 27.8.56

LEAVE THIS SPACE BLANK

9.

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ort of Piraeus

Continuation of Report No. 6943

dated 6th September, 1956

on the

S.S. "KYRIAKOULA"

Main engine LP crosshead bearing top half renewed.

Main engine 9 holding down bolts renewed, all bolts hardened up and new chocks fitted.

Main engine thrust shaft journals and thrust collars machined.

Bearings remetalled and thrust shoes, ahead faces remetalled.

Thrust shaft and intermediate shafting re-aligned.

Air pump (attached) bucket rod renewed and new liner fitted.

Circulating pump (attached) bucket rod renewed.

Feed pump plungers machined and new neck bushes and glands fitted.

Bilge pump plungers machined and new neck bushes and glands fitted.

Main condenser tubes removed, cleaned and tested. 850 tubes renewed. 2150 ferrules renewed.

Auxiliary condenser tubes removed, cleaned and tested. 170 tubes renewed. 520 ferrules

renewed. Fractured casing renewed.

Ballast pump cylinder liners and bucket liners renewed. Piston and bucket rods machined.

Pistons and buckets machined and new rings fitted. New neck bushes and glands fitted.

Auxiliary circulating pump cylinder renewed and new pistons and rings fitted. Piston rod

machined and new neck bush and gland fitted. Water end liners renewed and buckets

machined and new rings fitted. New neck bushes and glands fitted. Sea connections examined.

Windlass overhauled and 1 crank pin renewed.

Mooring winch overhauled complete.

Pumping arrangements valves examined complete.

Steering engine new piston rings fitted.

Occurrence No.2 (due to grounding on the 27th February, 1956 whilst on a voyage from

London to Copenhagen.

On examination the following damage was found with recommendations for permanent repairs.

FOUND: RECOMMENDED:

Propeller blades (4 bladed cast iron) part To renew propeller.

missing.

Screw shaft to examine.

The lignum vitae was renewed in the stern tube as it was found on examination to be

disturbed and badly scored.

The above permanent repairs have now been satisfactorily completed.

Occurrence No.3 (due to grounding on the 6th June, 1956 whilst on a voyage from Port Sudan

to Piraeus.

On examination in the Government Graving Dock no damage was found attributable to the

above occurrence.

O.F. Conversion (as per approved plans 15.6.56.).

The boilers have been converted for burning oil fuel.

All pipes in connection therewith have been supplied by the makers.

Upon completion the system was examined under working conditions. The fire extinguishing

appliances (chemical fire extinguishers, sand bins etc. supplied) and steam smothering

tank heating coils etc. tested and found satisfactory.

Continued/

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MADE AND PRINTED IN ENGLAND.



S.S. "KYRIAKOULA"O.F. Conversion(Continued)

Extended spindles fitted to all tank suction valve pumps etc.

S.R.L. items.

Donkey Boiler not to be used.

Donkey Boiler now removed from the vessel.

BS 2/56 on completion . A fresh Boiler Survey now carried out.

It is submitted that the above items be now deleted from the S.R.L.

Inboard longitudinal stay in the top row of steam space stays now specially examined as no suitable material found at this Port to renew. Found slightly wasted(local) but considered efficient meantime. The Owner has now ordered a new stay from the Continent which will be put on board and it is submitted for consideration that this stay should be renewed at the next Boiler Survey.

BB



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