

## Rpt. 9

Date of writing report 20/4/61

Received London

Port Oslo

No. 9258

Survey held at Greåker

No. of visits 8

First date 8/4/60

Last date 14/11/60

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

No. in R.B. 66136 Name ~~SSX~~ "HODA" ex. "JARMONA" ex. "BELRAY" Gross tons 2904 Date of build 1926 - 5  
 Owners RADWAN GANDOUR Managers Port of Registry Tripoli, Libanon  
 Engines made 1946 By Sulzer Bros. Ltd. Win. Type 2 SA.6Cy. 480 x 700 mm.  
 No. of Main Engines 1 No. of Screws 1  
 No. of Main Boilers - W.P. -  
 No. of Aux./Donkey Boilers 2 W.P. 130 lb.  
 Surveyed Afloat or in Dry Dock Both  
 Nature of Survey CS. and ABS.  
 Was Damage Report issued? No Int. Cert.? No  
 Last Report (For Head Office only)

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

Hull	Machinery
+ 100 A1	
SS. 5/55.	
Surveys overdue 5/59.	

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.

Now

DOCKING Propellers Good Wear Down of Stern Bushes Not taken Oil Glands - Sea Connections -  
 Fastenings - Has Screwshaft Tubeshaft been drawn? No 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.)

1 Cyls., Covers, Pistons & Rods All - Good.  
 2 Valves & Gears All - Good.  
 3 Connecting Rods, Top Ends & Guides Side All +  
 Centre  
 4 Crankpins & Bearings Side All +  
 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

## SCAVENGE BLOWERS

## SUPERCHARGERS

## MAIN TURBINES

16 Casings, Rotors, Blading, Bearings & Thrusts

## EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

## STEAM COMPRESSORS

## CLUTCHES &amp; HYDRAULIC COUPLINGS

## REDUCTION GEARING

## THRUST BLOCKS, SHAFTS &amp; BEARINGS +

## INTERMEDIATE SHAFTS &amp; BEARINGS +

## HOLDING DOWN BOLTS &amp; CHOCKS

## CONDENSERS (MAIN &amp; AUX.) +

## STEAM RE-HEATERS

## DE-SUPERHEATERS

## STOP &amp; MANŒUVRING VALVES

## MAIN ENGINE DRIVEN PUMPS

## CRANKCASE DOORS &amp; EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manœuvring? No.

## OPINION OF MACHINERY AND RECOMMENDATIONS

It is submitted that the machinery be classed CS. and ABS. with date when all Rule Requirements have been dealt with.

Date of Committee

Decision



© 2021

 Lloyd's Register of Shipping  
 Engineer Surveyor to Lloyd's Register of Shipping  
 L. Tveit.

Foundation



32 Essential Independent Pumps (Identify by position) All +  
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 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) All (3 off) - Good.

ELECTRICAL EQUIPMENT			
PROPULSION	PORT	STARBOARD	AUXILIARY EQUIPMENT
a Generators			l Generators & Governors
b Exciters			m Motors
c Air Coolers			n Switchboards & Fittings
d Motors			o Circuit Breakers
e Air Coolers			p Cables
f Control Gear, Cables, etc.			q Insulation Resistance
g Insulation Resistance			r Steering Gear Generators and Motors
h Insulating Oil Test			s Navigation Light Indicators
i Overspeed Governors			
Magnetic Couplings			
k Air Gap			

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

MAIN AUXILIARY, DONKEY or PRESS P. & S. 6/5/60 +  
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)

The machinery was now opened out as indicated in the Report and the following repairs were recommended.

Main Engine:- No.1,2,3 and 6 crankpin bearings to remetal, metal cracked.  
No.1,2, and 5 top end bearings to re-metal, metal cracked.

All independent pumps:- To be overhauled and minor repairs and renewals effected.

Steam driven air compressor:- Compressor and engine to overhaul throughout with coolers. Coolers to be tested.

Steam Condenser:- All pipes to remove and all plugs to renew and condenser to test upon completion.

Stbd. Boiler:- 63 plain tubes to renew.

Port Boiler:- 107 plain tubes to renew.

The work on the machinery was commenced but stopped and all put together again. No repairs completely finished.

The ship was eventually sold and has now left this port under Greek Flag.

Survey fees ... Kr. 1.200.-

Damage fee ...

Expenses... charged on Rpt. 8.

Date when A/c rendered 14/4/61.

2021

Lloyd's Register Foundation