

Rpt. 9

Date of writing report 10-2-'58.

Survey held at Sourabaya

Received London

No. of visits 10.

18 FEB 1958

Port SOURABAYA

First date 16-12-'57

No. 6174

Last date 1-2-1958.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 21608 Name M.V. " N A I K O "

Gross tons 511 Date of build 10-1953

Owners Republik Indonesia

Managers Djawatan Pelajaran

Port of Registry Djakarta

Engines made 1953 By C.R.D. Adriatico

Type

No. of Main Engines No. of Screws

Records of Survey & Special Notations as per Register Book

No. of Main Boilers W.P.

No. of Aux./Donkey Boilers W.P.

Surveyed Afloat or in Dry Dock Drydock D.M.S.

Nature of Survey E.S.

Was Damage Report issued? no Int. Cert.? yes

Last Report (For Head Office only)

Hull	Machinery
+ 100A1	+ L.M.C.
D.S. 10/56	E.S.(N) 10/53
	(M) 9/55
	T.S.(OG) 10/56

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	Propeller	good	Wear Down of Stern Bushes	--	Oil Gland	tight	Sea Connections	good
Fastenings	good	Has Screwshaft	Has 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, Centre	All	good						
4 Gudgeons & Bushes	All	good						
5 Journals & Bearings	All	good						
MAIN ENGINE DRIVEN AIR COMPRESSORS (U.BELT)								
6 Cyls., Covers, Pistons & Rods		good						
7 Connecting Rods & Top Ends		good						
8 Crankpins & Bearings		good						
9 Journals & Bearings		good						
10 Coolers & Safety Devices								
MAIN ENGINE DRIVEN SCAVENGE PUMPS								
11 Cyls., Covers, Pistons & Rods								
12 Valves & Gears								
13 Connecting Rods, Centre								
14 Gudgeons & Bushes								
15 Journals & Bearings								
SCAVENGE BLOWERS								
TURBOCHARGERS								
STEAM TURBINES								
Diesels, Motors, Pumps, Bearings & Thrusts								
EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)								
STEAM COMPRESSORS								
HYDRAULIC CRANES								
REDUCTION GEARING								
23 THRUST BLOCKS, SHAFTS & BEARINGS		good						
24 INTERMEDIATE SHAFTS & BEARINGS		good						
25 HOLDING DOWN BOLTS & CHOCKS		good						
CONDENSERS (MAIN & AUX)								
STEAM REHEATERS								
WATER SUPPLIES								
STEAM & MANOEUVRING VALVES								
30 MAIN ENGINE DRIVEN PUMPS	sea & fresh c.w. pumps, lub. oil pump, V belt driven bilge pump.	All good						
31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES	good							
Have Main Engines been tested working and manoeuvring? yes								

OPINION OF MACHINERY AND RECOMMENDATIONS

The machinery of this ship is in good condition and eligible in my opinion to remain as classed with fresh record of E.S. 1.58.

Date of Committee

Decision

ES 2, 58 (with trial endent)

30m.6.55. T. (MADE AND PRINTED IN ENGLAND.)

Jacobs 2021
Engineer Surveyor to Lloyd's Register of Shipping

Lloyd's Register Foundation

0 10355-010361-0290

If certificate is required state where to be sent Sourabaya Surveyor.

32 Essential Independent Pumps (Identify by position) Ballast pump (Starb.) Stand by lub. oil pump (Port) Gen serv. pump (Port side) Electric driven sanitary pump (Starb.) 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 Fresh Water Coolers good tested 36 Lub. Oil Coolers good (tested) 37 Heaters (state service)
38 Independent Air Compressors, Coolers & Safety Devices good (driven by Starb. aux. eng.)
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 good 45 Windlass good 46 Fire Extinguishing Arrangements good

AUXILIARY ENGINES (Identify by position) Port and Starboard side aux. engines and also Emergency diesel engine - generator set completely opened out and all found good.

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

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
Water Oil Burning System & Remote Controls examined working in accordance with Rules	Exhaust Circulating Pumps
Have Saturated Steam Pipes in cylindrical boiler smoke-boxes been examined as required by Rules?	Funnel

EXAMINATION & TESTING OF STEAM PIPES (State by position)

Main	Auxiliary (over & in: here)
Water Pipes in boiler smoke-boxes	Have Saturated Pipes in cylindrical boiler smoke-boxes been examined

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)

Repairs due to wear and tear: Sea cooling water pump impeller and wearing rings renewed.
A number of minor repairs effected to electrical equipment.

Survey fees Rp. 3.050,==

Expenses... Rp. 50,==

Date when A/c rendered



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