

Rpt. 9

Date of writing report 6th September, 1958.

Received London 29 SEP 1958

Port KOBE

No. 6065

Survey held at Osaka

No. of visits 10

First date 11th Aug., 1958 Last date 1st Sept., 1958

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 80399 Name M.V. "STANVAC NAIROBI"

Gross tons 11637 Date of build 5-1939

Owners Standard-Vacuum Transportation Co., Ltd. Managers -

Port of Registry London

Engines made Kobe By Naka Nippon Jukogyo

Type Oil Engine 2SA 7Cy. 720 x 1250mm  
+NE made 52 fitted 53 Sulzer

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 ~~Ann~~/Donkey Boilers 2 W.P. 199 lbs.

Surveyed Afloat or in Dry Dock Drydock - Hitachi

Nature of Survey TS, CS, DBS, Alteration

Was Damage Report issued? No Int. Cert. Yes, No. B1-51966

Last Report (For Head Office only) copy attached.

Hull	Machinery
+100Al carrying petroleum in bulk.	+LMC
S.S. (Dr) 3,53	Engines CS 9,57
Sng 9,57	Boilers d 9,57
Docking 9,57	Tail shaft CL 6,56
	Steam pipes 8,57

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 re-wooded Sea Connections †  
Fastenings Good Has Screwshaft been drawn? Yes Date of Examination 16-8-58 Has Shaft been changed? No  
Has Shaft now fitted been previously used? - Has Shaft now examined/used a continuous liner? Yes Approved oil gland? No

MAIN ENGINES (Recip. Steam or I.C.) ~~PORT~~ ~~STARBOARD~~  
1 Cyls., Covers, Pistons & Rods Nos. 3 & 6 Good  
2 Valves & Gears Nos. 3 & 6 Good  
3 Connecting Rods, Top Ends & Guides ~~Size~~ Centre Nos. 3 & 6 Good  
4 Crankpins & Bearings ~~Size~~ Centre Nos. 3, 4, 5 & 6 Good  
5 Journals & Bearings Nos. 3, 4, 5 & 6 Good

~~MAIN ENGINE DRIVEN AIR COMPRESSORS~~  
~~1 Cyls., Covers, Pistons & Rods~~  
~~2 Connecting Rods & Top Ends~~  
~~3 Crankpins & Bearings~~  
~~4 Journals & Bearings~~

~~MAIN ENGINE DRIVEN DEVICES~~

MAIN ENGINE DRIVEN SCAVENGE PUMPS  
11 Cyls., Covers, Pistons & Rods Nos. 1 & 7 Good  
12 ~~Connecting Rods & Top Ends~~  
13 ~~Crankpins & Bearings~~  
14 ~~Journals & Bearings~~  
15 Levers Nos. 1 & 7 Good  
16 ~~SCAVENGE BLOWERS~~

~~SUPERCHARGERS~~

~~MAIN TURBINES~~

~~18 Cyls., Covers, Pistons & Rods~~

~~19 EXHAUST STEAM TURBINES (WITH BECK COUPLERS)~~

20 STEAM COMPRESSORS

21 CLUTCHES & HYDRAULIC COUPLINGS

22 REDUCTION GEARING

23 THRUST BLOCKS, SHAFTS & BEARINGS Good

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

31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES Have Main Engines been tested working and manoeuvring? No

OPINION OF MACHINERY AND RECOMMENDATIONS

The machinery of this ship is in good condition and eligible in our opinion to remain as classed with fresh records of TS (CL) 8,58, DBS 9,58 (New waste heat boiler installed 9,58) and have all items now examined be noted for CS subjected to Port side low injection valve being renewed at the next drydocking.

TUESDAY - 4 NOV 1958

Date of Committee As above Subject DBS 9,58

Decision (TS record withheld)

Noted for Header

Jacobs: F.A. Macfarlane  
Engineer Surveyor to Lloyd's Register of Shipping  
A. Jacobs, F.A. Macfarlane, M. Hayashibara, Y. Kojima & S. Hashiguchi.

603458-003465-0336 1/2



M.V. "STANVAC NAIROBI"

New S.M. steel steam pipes and feed water pipes for same exhaust gas boiler made from tested materials and tested as required. On completion, all found satisfactorily fitted. Safety valves adjusted under steam to 199 lbs. per sq. in.

*Jacobs*

32 Essential Independent Pumps (Identify by position) ..... Aux. Feed Water Pump (Port aft) Good

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..... Lower Starb. Good..... 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.....

Port side forward and aft engines in their entirety.

AUXILIARY ENGINES (Identify by position).....  
Good

## ELECTRICAL EQUIPMENT

PROPULSION	PORT	STARBOARD	AUXILIARY EQUIPMENT
a Generators.....			1 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.....			
j Magnetic Couplings.....			
k Air Gap.....			

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

MAIN..... ~~AUXILIARY~~, DONKEY & PRESS Port & Starboard 12-8-58

Superheaters..... Good

Safety Valves..... Good

Mountings, Doors & Fastenings..... 199 Lbs.

Safety Valves Adjusted to Sat..... 192 Lbs.

Spt..... Good

Boiler Securing Arrangements..... Exhaust Gas Heated Economiser (New Boiler fitted) Good

WATER EXHAUST GAS BOILER.....

STEAM HEATED STEAM GENERATOR.....

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

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? Yes..... Funnel..... Good

## EXAMINATION &amp; 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 &amp; 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: Main Engine Nos. 3 & 6 piston crowns replaced by new spare crowns.

Marks on same: Lloyd's DTM Tested 20 ATS 10-12-57 C.N. - LH.

Both generator engines all gudgeon pin and bushes renewed. Forward aux. engine No. 2 piston replaced by spare piston. Aft aux. engine No. 2 crankpin brasses remetalled.

Aux. feed water pump both liners water side renewed.

Two small cracks at large end of cone at key way of screwshaft ground out, tested by magnaflux and found good. End of key way spooned out and found good.

Spare screwshaft examined and found cracked at large end of cone.

Same rejected. Marks on same: LLOYD'S M2549 - 14-1-53 HMK.

S.R.L. Found lower main injection partly graphited and recommended to have same renewed at the next drydocking in our opinion being efficient in the meantime.

Alteration: Both existing exhaust gas boilers have been scrapped now and one new exhaust gas boiler supplied by Owners has been satisfactorily fitted now.

Marks on new boiler:-

JOB No. 8303 B.B.W. 1958

H.T.P. 425 DP 250

JRR 21-2-58 LLOYD'S GLS TEST

LLOYD'S No. 4277 HPL

HTP 425 PSI

DP 250 PSI

RB 2-4-58 (Cont'd.)

Survey fees

DBS & EGE

TS

alteration

Damage fee

Expenses...

CS £40-0-0

24-0-0

8-0-0

20-0-0

5-0-0

Date when A/c rendered

SEP. 22. 1958

A/c rendered from London 29/9