

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 31 MAR 1947

1947 When handed in at Local Office 19 Port of NEW YORK

Survey held at NEW YORK Date, First Survey Dec. 19 Last Survey Dec. 28 1946

on the S.S. "HADIOTIS" Ex "NIKI" (Number of Visits 5)

Tons Gross 7240 Net 4390

at JACKSONVILLE By whom built ST. JOHNS RIVER SB Co Yard No. When built 1945-1

ines made at HAMILTON OHIO By whom made GENERAL MACHINE Co Engine No. When made 1945

ers made at LOUISVILLE KY By whom made HENRY VOGT MACHINERY Co Boiler No. When made 1945

tered Horse Power Owners KASSOS STEAM NAVIGATION Co Port belonging to SYRA GREECE

Horse Power as per Rule 648 667 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted YES

for which Vessel is intended FOREIGN

GINES, &c.—Description of Engines 3 CYL TRIPLE

of Cylinders 24 1/2 - 37 - 70 Length of Stroke 48 No. of Cylinders 3 Revs. per minute 3

shaft, dia. of journals as per Rule 13.125 as fitted 14 1/4 Crank pin dia. 14 1/4 Crank webs Mid. length breadth 24 Thickness parallel to axis 9 - LP 9 1/2

mediate Shafts, diameter as per Rule 12.5 as fitted 13 1/2 Mid. length thickness 9 - LP 9 1/2 Thickness around eye-hole 7 1/8 @ JOURNALS

Shafts, diameter as per Rule as fitted Screw Shaft, diameter as per Rule 14 as fitted 15 1/4 Is the screw shaft fitted with a continuous liner YES

Liners, thickness in way of bushes as per Rule 3 1/4 as fitted 25 3/32 Thickness between bushes as per Rule 9 1/16 as fitted 11 1/16 Is the after end of the liner made watertight in the

r boss YES If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner

ner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive

iners are fitted, is the shaft lapped or protected between the liners Is an approved Oil Gland or other appliance fitted at the after end of the tube

If so, state type Length of Bearing in Stern Bush next to and supporting propeller

er, dia 18 1/2 Pitch 16 1/2 No. of Blades 4 Material BRONZE whether Moveable SOLID Total Developed Surface 117 sq. ft.

umps worked from the Main Engines, No. 2 Diameter 4 1/2 Stroke 26 Can one be overhauled while the other is at work YES

umps worked from the Main Engines, No. 2 Diameter 4 1/2 Stroke 26 Can one be overhauled while the other is at work YES

(No. and size Two @ 12 x 8 x 24 Pumps connected to the Main Bilge Line (No. and size 2 - 4 1/2 DIA x 26 STROKE ONE 10 x 12 x 12 DUPLEX STEAM

(How driven STEAM Lubricating Oil Pumps, including Spare Pump, No. and size

Pumps, No. and size ONE 10 x 12 x 12 DUPLEX independent means arranged for circulating water through the Oil Cooler

umps; In Engine and Boiler Room 1 - 3" PORT & STB IN ER 1 - 3" PORT & STB IN BOILER ROOM TOTAL 4

Room 4" MAIN FROM VALVE MANIFOLDS IN ER 3" PORT & STB IN ALL HOLDS AND TUNNEL

ater Circulating Pump Direct Bilge Suctions, No. and size ONE 10" DIA Independent Power Pump Direct Suctions to the Engine Room Bilges,

ize 2 - 1" PORT 1" STB 5 Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes YES

lge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges

a Connections fitted direct on the skin of the ship YES Are they fitted with Valves or Cocks VALVES AND COCKS

xed sufficiently high on the ship's side to be seen without lifting the stokehold plates YES Are the Overboard Discharges above or below the deep water line

ch fitted with a Discharge Valve always accessible on the plating of the vessel YES Are the Blow Off Cocks fitted with a spigot and brass covering plate YES

s pass through the bunkers How are they protected

s pass through the deep tanks Have they been tested as per Rule

es, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times YES

gement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one

nt to another YES Is the Shaft Tunnel watertight YES Is it fitted with a watertight door worked from

BOILERS, &c.—(Letter for record S.) Total Heating Surface of Boilers 10233 Sq Ft

lers are fitted with Forced Draft BOTH MAINS Which Boilers are fitted with Superheaters BOTH MAINS

Description of Boilers 2 WT B&W TYPE Working Pressure 250 LBS/SQ IN

REPORT ON MAIN BOILERS NOW FORWARDED? YES

DONKEY BOILER FITTED? NO If so, is a report now forwarded?

key boiler be used for domestic purposes only

Are approved plans forwarded herewith for Shafting (If not state date of approval) Main Boilers YES Auxiliary Boilers YES Donkey Boilers YES

General Pumping Arrangements YES Oil fuel Burning Piping Arrangements YES

SPARE GEAR.

gear required by the Rules been supplied

incipal additional spare gear supplied

the foregoing is a correct description

Manufacturer.

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Dates
of Survey
while
building

During progress of
work in shops - -

During erection on
board vessel - - -

Total No. of visits

Dates of Examination of principal parts — Cylinders

Slides

Covers

Pistons

Piston Rods

Connecting rods

Crank shaft

Thrust shaft

Intermediate shafts

Tube shaft

Screw shaft

Propeller

Stern tube

Engine and boiler seatings

Engines holding down bolts

Completion of fitting sea connections

Completion of pumping arrangements

Boilers fixed

Engines tried under steam

Main boiler safety valves adjusted

Thickness of adjusting washers

Crank shaft material

Identification Mark

Thrust shaft material

Identification Mark

Intermediate shafts, material

Identification Marks

Tube shaft, material

Identification Mark

Screw shaft, material

Identification Mark

Steam Pipes, material

Test pressure

Date of Test

Is an installation fitted for burning oil fuel

Is the flash point of the oil to be used over 150°F.

Have the requirements of the Rules for the use of oil as fuel been complied with

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo

If so, have the requirements of the Rules been complied with

If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with

Is this machinery duplicate of a previous case

If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.)

The Machinery of this vessel has been built under the Special Survey of the American Bureau of Shipping. The particulars as shown on this Report were obtained from available plans and have been verified as far as practicable from the vessel. The workmanship and materials are good. (See Rpt 9, attached herewith for recommendations.)

Certificate to be sent to

The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee	\$:	:	When applied for,
Special	\$:	✓	19
Donkey Boiler Fee	\$:	:	When received,
Travelling Expenses (if any)	\$:	:	19

[Signature]

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute NEW YORK MAR 5 - 1947

Assigned

Class Sustained



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