

REPORT ON MACHINERY.

N.Y. No. 14320

Received at London Office SAT. 10 JAN 1918

REC'D NEW YORK Dec. 14-1917

Port of NEW YORK N.Y.

Writing Report 19 When handed in at Local Office 19 Date, First Survey Feb. 2nd Last Survey 19

Survey held at SCHENECTADY N.Y. on the SKINNER EDDY N-5. Installed in the (Steel Screw Steamer "INDIANA") Builders Ford N-9

By whom built By whom made GENERAL ELECTRIC COY. when made 1917

By whom made when made

Port belonging to

Registered Horse Power Owners Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

TURBINE ENGINES, &c. Description of Engines GEARED TURBINES (TURBINE 12465 GEAR 2571) No. of Turbines ONE

Diameter of Pinion Shaft 7" H.S. PINION 7.833" Diameter of Pitch Circle H.S. GEAR 37.666"

Diameter of Pitch Circle of Wheel L.S. PINION 10.75" Diameter of Tunnel Shaft as per rule as fitted

Diameter of Thrust Shaft under Collars Diameter of Propeller Pitch of Propeller

Diameter of Rotor Drum, H.P. L.P. Astern

Revs. per Minute at Full Power, Turbine 3374.6 Propeller 90

State whether Moveable Total Surface

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Particulars of Blading

EXPANSION	H.P.			HEIGHT OF BLADES.	L.P.			ASTERN.		
	ACTIVE HEIGHT OF BLADES.	PITCH DIAMETER AT TIP	NO. OF ROWS.		DIAMETER AT TIP.	NO. OF ROWS.	ACTIVE HEIGHT OF BLADES.	PITCH DIAMETER AT TIP.	NO. OF ROWS.	
Sept 11	7.5 - 1.25"	2' - 11 1/2"	2			8.145 - 1.5"	2' - 2"	2		
Oct 17	6.25"	3' - 9"	1			3.375"	2' - 2"	1		
Nov 20	1.25"	3' - 0 1/2"	1							
Dec 11	2.5"	4' - 0"	1							
Jan 11	6"	4' - 2"	1							

Size of Feed pumps

Size of Bilge pumps

Size of Bilge suction in Engine Room

In Holds, &c.

Bilge Injections

Are the roses in Engine room always accessible

Are they Valves or Cocks

Are the Discharge Pipes above or below the deep water line

Are the Blow Off Cocks fitted with a spigot and brass covering plate

How are they protected

Are the shell plates welded or flanged

Lap of plates or width of butt straps

Material of shell plates

Working pressure of shell by rules

Material of Front plates at bottom

Working pressure of plate by rules

Material of Lower back plate

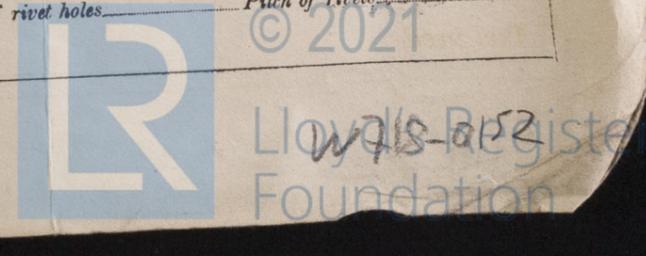
Working pressures by rules

Material of tube plates

Working pressures by rules

Material of tube plates

Working pressures by rules



SUPERHEATER. Type

Date of Approval of Plan

Tested by Hydraulic Pressure to

Date of Test

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Diameter of Safety Valve

Pressure to which each is adjusted

Is Easing Gear fitted

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building: During progress of work in shops -- Feb. 2, Mar. 2, 9, Aug. 24, Sep. 11, 15; During erection on board vessel -- ; Total No. of visits

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts—Casings, Rotors, Blading, Gearing, donkey, etc.

Rotor shaft, Thrust shaft, Tunnel shafts, Screw shaft, Propeller

Stern tube, Steam pipes tested, Engine and boiler seatings, Engines holding down bolts

Completion of pumping arrangements, Boilers fixed, Engines tried under steam

Main boiler safety valves adjusted, Thickness of adjusting washers

Material and tensile strength of Rotor shaft: STEEL 80,000 LBS. 7" MIN. Identification Mark on Do. T.G.D.

Material and tensile strength of Pinion shaft: 100,000 LBS. Identification Mark on Do. T.G.D.

Material of Wheel shaft: STEEL Identification Mark on Do. T.G.D. Material of Thrust shaft Identification Mark on Do.

Material of Tunnel shafts Identification Marks on Do. Material of Screw shafts Identification Marks on Do.

Material of Steam Pipes Test pressure

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 Section 49 of the Rules been complied with

Is this machinery a duplicate of a previous case. If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c. These engines have been constructed under special survey in accordance with the approved plans. The materials and workmanship are sound and good. The engines have been forwarded to Seattle Wash. to be fitted on board.

Certificate (if registered) to be sent to... (The Surveyors are requested not to write on or below the space for Committee's Minute.)

Table with columns: Fee Type (Entry, Special, Donkey Boiler, Travelling Expenses), Amount (£), and When applied for/When received.

Signature of Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute New York DEC 18 1917

Assigned See Seattle Rpt.

pt. 13.

REP

Port of SE... No. in on the... g. Book... ENTRY Built at... oners U/S SH... ard No. 9

DESCRIPTION OF... Two 15 KW... ONNECTED... Capacity of Dynamo... Where is Dynamo f... Position of Main Su... Positions of auxilia... FORWD. DECK HO

SWITCHES RES... SWITCHES—ONE... If fuses are fitted... circuits YES

If vessel is wired on... Are the fuses of no... Are all fuses fitted... are permanent... Are all switches ana... Total number of lig

- A 37, B 33, C 65, D 27, E 19

1 Mast head, 2 Side, 28... If arc lights, what p

Where are the swit... DESCRIPTION OF... Main cable carrying... Branch cables carry... Branch cables carry... Leads to lamps carry... Cargo light cables car

DESCRIPTION OF... Joints in cables, how... TAPE AN... Are all the joints of o... positions, none... Are there any joints... How are the cables l

