

knab. Rpt. No. 5800

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 1 APR 1943

of writing Report **Jan. 10th. 43** When handed in at Local Office **Jan. 29th. 43** Port of **MONTREAL, QUE.**

Survey held at **MONTREAL, QUE.** Date, First Survey **9th March, 1942** Last Survey **July 15th 1942**

on the **SINGLE SCREW CORVETTE U.S.S. "MIGHT" ex H.M.S. "MUSK"** (Number of Visits **22**)

at **QUEBEC, QUE.** By whom built **Morton Engineering & Dry Dock Co. Ltd.** Yard No. **22** When built **1943**

made at **MONTREAL, QUE.** By whom made **Canadian Vickers Limited** Engine No. **5810-1** When made **1942**

made at **St. Catharines, Ont.** By whom made **Foster Wheeler Limited** Boiler No. **Aft. 101** When made **1942**

red Horse Power **2750** Owners **THE ADMIRALTY** Port belonging to **London**

Horse Power as per Rule **462** Is Refrigerating Machinery fitted for cargo purposes **No** Is Electric Light fitted **Yes**

for which Vessel is intended **NAVAL SERVICE**

LINE S, &c.—Description of Engines **4 cylinder triple expansion** Revs. per minute **185**

Cylinders **18 1/2" x 31" x 38 1/2" x 38 1/2"** Length of Stroke **30"** No. of Cylinders **4** No. of Cranks **4**

shaft, dia. of journals as per Rule **10.0275"** Crank pin dia. **10 1/2"** Mid. length breadth **-** Thickness parallel to axis **6 1/2"**

as fitted **10 1/2"** Crank webs Mid. length thickness **-** Thickness around eye-hole **4-7/8"**

mediate Shafts, diameter as per Rule **9.55"** Thrust shaft, diameter at collars as per Rule **10.0275"**

as fitted **10.25"** as fitted **10 1/2"**

Shafts, diameter as per Rule **-** Screw Shaft, diameter as per Rule **10.42"**

as fitted **-** as fitted **10-7/8"** Is the ~~shaft~~ screw shaft fitted with a continuous liner **Yes**

Liners, thickness in way of bushes as per Rule **.614"** Thickness between bushes as per Rule **.46"**

as fitted **5/8"** as fitted **5/8"** Is the after end of the liner made watertight in the boss **Yes**

If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner **one length -**

er 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 **fits tightly -**

liners 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 **No**

If so, state type **-** Length of Bearing in Stern Bush next to and supporting propeller **60"**

er, dia. **10'-6"** Pitch **10'-3"** No. of Blades **3** Material **Bronze** whether Moveable **No** Total Developed Surface **30** sq. ft.

Pumps worked from the Main Engines, No. **None** Diameter **-** Stroke **-** Can one be overhauled while the other is at work **-**

Pumps worked from the Main Engines, No. **None** Diameter **-** Stroke **-** Can one be overhauled while the other is at work **-**

(No. and size **Two-8" x 10 1/2" x 22"** Pumps connected to the Main Bilge Line { No. and size **Two 6" x 6" x 6" (G.S.P. & Bilge Pumps)**

(How driven **Steam, Weirs Vertical** How driven **Steam, Duplex.**

Pumps, No. and size **Two-6" x 6" x 6" (G.S.P. & Bilge Pumps)** Lubricating Oil Pumps, including Spare Pump, No. and size **-**

independent means arranged for circulating water through the Oil Cooler **-** Suctions, connected to both Main Bilge Pumps and Auxiliary

umps;—In Engine and Boiler Room **Engine Room-one 3" independent- 1-3" on Range; Boiler Room: Two 3" on Range**

Two 2- 3" independent and Three-2" in cofferdams One **2" in each of following compartments: Fore Peak, Locker, A/S, Provision Rooms, 4" Magazine, Spirit Room, 2 lb. Magazine, Air Space, Engineer's Aft. Peak & Steering Engine Flat.**

Water Circulating Pump Direct Bilge Suctions, No. and size **One 9" Dia.** Independent Power Pump Direct Suctions to the Engine Room Bilges, size **One 3" Dia.**

Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes **Yes**

Bilge 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 **Yes**

Sea Connections fitted direct on the skin of the ship **Yes, Two 14" on Stools** Are they fitted with Valves or Cocks **Nine valves, one cock**

fixed sufficiently high on the ship's side to be seen, without lifting the stokehold plates **No** Are the Overboard Discharges above or below the deep water line **Below**

each 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**

Pipes pass through the bunker **3" Dia. in P&S Bunkers (Degaussing Cables)** How are they protected **None (Joints welded)**

Pipes pass through the deep tanks **-** Have they been tested as per Rule **Yes (100 lbs. per sq. inch)**

Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times **Yes**

Arrangement 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 compartment to another **Yes** Is the Shaft Tunnel watertight **Yes** Is it fitted with a watertight door **Hatch worked from Lower Deck**

MAIN BOILERS, &c.—(Letter for record **-**) Total Heating Surface of Boilers **8260 square feet -**

Boilers are fitted with Forced Draft **All - (Closed type)** Which Boilers are fitted with Superheaters **-**

Description of Boilers **2 Water Tube Yarrow type** Working Pressure **225 lbs. per square inch -**

REPORT ON MAIN BOILERS NOW FORWARDED? Yes

DONKEY BOILER FITTED? No If so, is a report now forwarded? **-**

donkey boiler be used for domestic purposes only **-**

NS. Are approved plans forwarded herewith for Shafting **Approved London -** Main Boilers **-** Auxiliary Boilers **-** Donkey Boilers **-**

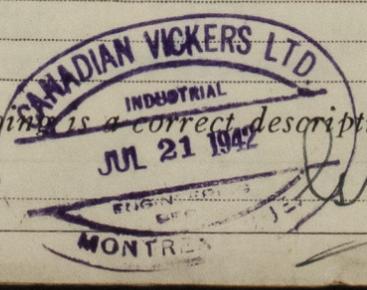
(If not state date of approval)

General Pumping Arrangements **-** Oil fuel Burning Piping Arrangements **-**

SPARE GEAR.

spare gear required by the Rules been supplied **Yes**

principal additional spare gear supplied **-**



The foregoing is a correct description
[Signature] Manufacturer.



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