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Rpt. 4 RECEIVED  
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# REPORT ON OIL ENGINE MACHINERY.

No 5955<sup>A</sup>

Received at London Office

Date of writing **IN D.O.** 19 **Liverpool N.S.** When handed in at Local Office to Port of **HALIFAX N.S.**

No. in Survey held at Reg. Book. **1** Date, First Survey **"** Last Survey **19** Number of Visits **19**

on the **Single** Screw vessel **TANKER "SEEKONK"** Tons Gross **1139** Net **579**

Built at **Bayonne N.J.** By whom built **East Coast Shipyards Inc.** Yard No. **-** When built **1944**

Engines made at **By whom made** **Fairbanks - Morse & Co.** Engine No. **-** When made **1944**

Donkey Boilers made at **By whom made** **Clarkson (Vapor donkey)** Boiler No. **-** When made **-**

Brake Horse Power **Owners** **Newfoundland Tankers Ltd** Port belonging to **St. John's N.H.**

Nom. Horse Power as per Rule **Is Refrigerating Machinery fitted for cargo purposes** **Is Electric Light fitted** **Yes**

Trade for which vessel is intended **Coasting**

**ENGINES, &c.**—Type of Engines **2 or 4 stroke cycle** Single or double acting

num pressure in cylinders **Diameter of cylinders** **16"** Length of stroke **20"** No. of cylinders **5** No. of cranks

Indicated Pressure **of bearings, adjacent to the Crank, measured from inner edge to inner edge** **Is there a bearing between each crank**

Revolutions per minute **Flywheel dia.** **Weight** **Means of ignition** **Kind of fuel used**

Material, **Solid forged** **Semi built** **All built** dia. of journals **as per Rule** **as fitted** **Crank pin dia.** **Crank Webs** **Mid. length breadth** **Mid. length thickness** **shrunk** **Thickness parallel to axis** **Thickness around eye-hole**

Propeller Shaft, diameter **as per Rule** **as fitted** **Intermediate Shafts, diameter** **as per Rule** **as fitted** **Thrust Shaft, diameter at collars** **as per Rule** **as fitted**

Shaft, diameter **as per Rule** **as fitted** **Screw Shaft, diameter** **as per Rule** **as fitted** **Is the tube screw shaft fitted with a continuous liner**

Cylinder Liners, thickness in way of bushes **as per Rule** **as fitted** **Thickness between bushes** **as per Rule** **as fitted** **Is the after end of the liner made watertight in the stern boss** **If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner**

Does the liner do 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

When 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**

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

Propeller, dia. **Pitch** **No. of blades** **Material** **whether Moveable** **Total Developed Surface** **sq. feet**

Method of reversing Engines **Is a governor or other arrangement fitted to prevent racing of the engine when declutched** **Means of lubrication**

Thickness of cylinder liners **Are the cylinders fitted with safety valves** **Are the exhaust pipes and silencers water cooled or lagged with insulating material** **If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine**

Sea Water Pumps, No. **Is the sea suction provided with an efficient strainer which can be cleared within the vessel**

Sea Pumps worked from the Main Engines, No. **Diameter** **Stroke** **Can one be overhauled while the other is at work**

Sea Pumps connected to the Main Bilge Line **No. and Size** **How driven**

Is cooling water led to the bilges **If so, state what special arrangements are made to deal with this water in addition to the ordinary bilge pumping arrangements**

Power Driven Pumps, No. and size **Power Driven Lubricating Oil Pumps, including Spare Pump, No. and size**

Are two independent means arranged for circulating water through the Oil Cooler **Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge Pumps, No. and size:—In Machinery Spaces** **In Pump Room**

Are the Oil Cooled, &c. **Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size**

Are all the Bilge Suction pipes in Holds and Trunnel Well fitted with strum-boxes **Are the Bilge Suctions in the Machinery Spaces from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges**

Are all Sea Connections fitted direct on the skin of the ship **Are they fitted with Valves or Cocks**

Are they fixed sufficiently high on the ship's side to be seen without lifting the platform plates **Are the Overboard Discharges above or below the deep water line**

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

Do all pipes pass through the bunkers **How are they protected**

Do all pipes pass through the deep tanks **Have they been tested as per Rule**

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

Is the 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 **Is the Shaft Tunnel watertight** **Is it fitted with a watertight door** **worked from**

Is the vessel a wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork

Main Air Compressors, No. **No. of stages** **Diameters** **Stroke** **Driven by**

Auxiliary Air Compressors, No. **No. of stages** **Diameters** **Stroke** **Driven by**

All Auxiliary Air Compressors, No. **No. of stages** **Diameters** **Stroke** **Driven by**

What provision is made for first Charging the Air Receivers

Scavenging Air Pumps, No. **Diameter** **Stroke** **Driven by**

Auxiliary Engines crank shafts, diameter **as per Rule** **as fitted** **No.** **Position**

Have the Auxiliary Engines been constructed under special survey **Is a report sent herewith**

