

# Auxiliary REPORT ON OIL ENGINE MACHINERY.

No. 8405

-5 JAN 1931

of writing Report

When handed in at Local Office

Port of

Required at London Office

in Survey held at

Date, First Survey

Last Survey

19 30

Number of Visits

Book.

76/ on the Twin Triple Screw vessel

It at

Lines made at

Key Boilers made at

Horse Power

n. Horse Power as per Rule

de for which vessel is intended

By whom built

Yard No.

When built

By whom made

Engines No.

When made

By whom made

Boiler No.

When made

Owners

Port belonging to

Is Refrigerating Machinery fitted for cargo purposes

yes.

Is Electric Light fitted

yes.

ENGINES, &c. Type of Engines 4 S. C. S. A. Diesel, trunk, air injected, 2 or 4 stroke cycle 4 Single or double acting single

imum pressure in cylinders 35 kg/cm<sup>2</sup> Diameter of cylinders 310 mm. Length of stroke 350 mm. No. of cylinders 3. No. of cranks 3.

a of bearings, adjacent to the Crank, measured from inner edge to inner edge 360 mm. Is there a bearing between each crank yes.

olutions per minute 360 Flywheel dia. 1240 mm. Weight 2650 kg. Means of ignition compression Kind of fuel used ord. Diesel oil.

nk Shaft, dia. of journals as per Rule 162 mm. Crank pin dia. 170 mm. Crank Webs Mid. length breadth 355 mm. do. Thickness parallel to axis ✓

as fitted 170 mm. ✓ Mid. length thickness 95 mm. ✓ Thickness around eyehole ✓

Wheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thrust Shaft, diameter at collars as per Rule

as fitted as fitted as fitted

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

as fitted as fitted as fitted

ize Liners, thickness in way of bushes as per Rule Thickness between bushes as per rule Is the after end of the liner made watertight in the

as fitted as fitted as fitted

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

he liner 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

wo 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

conducting material If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine

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

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

aps connected to the Main Bilge Line No. and Size How driven

last Pumps, No. and size Lubricating Oil Pumps, including Spare Pump, No. and size

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

aps, No. and size:—In Machinery Spaces In Pump Room

Folds, &c.

ependent Power Pump Direct Suctions to the Engine Room Bilges, No. and size

all the Bilge Suction pipes in Holds and Tunnel 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

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

they fired 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

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

at pipes pass through the bunkers. How are they protected.

at pipes pass through the deep tanks. Have they been tested as per Rule

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

he 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

partment to another. Is the Shaft Tunnel watertight. Is it fitted with a watertight door. worked from

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

in Air Compressors, No. No. of stages Diameters a. b. c. Stroke Driven by

iliary Air Compressors, No. 3. No. of stages 3. Diameters 316-285-78 Stroke 220 mm. Driven by auxil. Diesel engine.

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

venting Air Pumps, No. ✓ Diameter ✓ Stroke ✓ Driven by ✓

iliary Engines crank shafts, diameter as per Rule ✓

as fitted ✓

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule yes.

the internal surfaces of the receivers be examined and cleaned yes. Is a drain fitted at the lowest part of each receiver yes.

h Pressure Air Receivers, No. 3. Cubic capacity of each 25 litres. Internal diameter 185 mm. thickness 9.5 mm.

ness, lap welded or riveted longitudinal joint seamless. Material S. H. Steel Range of tensile strength 56.2-58.7 kg/cm<sup>2</sup> Working pressure by Rules 117.6 kg/cm<sup>2</sup> Actual 60

rting Air Receivers, No. ✓ Total cubic capacity ✓ Internal diameter ✓ thickness ✓

ness, lap welded or riveted longitudinal joint ✓ Material ✓ Range of tensile strength ✓ Working pressure by Rules 117.6 kg/cm<sup>2</sup> Actual 60

Working pressure Actual 60

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Working pressure Actual 60

Working pressure Actual 60

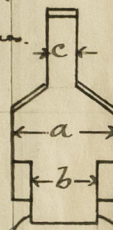
Working pressure Actual 60

Working pressure Actual 60

Working pressure Actual 60

Working pressure Actual 60

Working pressure Actual 60



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21/5 "India" of Copenhagen.

### Oil Fuel Burning Arrangements

State the principal additional spare gear supplied please see accompanying list.

.....*Manufacturer*

Assigned *See other*

2 = 33 - " - " " " 2 55 " - " -

*Engineer Surveyor to Lloyd's Register of Shipping*

*Assigned*

See other J.E. Rpt

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47	35 HP	compound wound	electromotor	for R. 2	7 to cargo	winch.
"	38 "	"	"	"	"	warping winch.
"	58 "	"	"	"	"	windlass.
"	29 "	series	"	"	"	steering gear.
"	3 "	shunt	"	"	"	wireless telegraph.
"	1.5 "	"	"	"	"	" - " -
"	0.33.	compound	"	"	"	grinding machine.
"	1.5 "	shunt.	"	"	"	sounding machine.

Stühlf.

SURVEYOR TO LLOYD'S  
REGISTER OF SHIPPING

The foregoing is a correct description.

AKTIESELSKABET  
NAKSKOV SKIBSVÆRFT

AKTIESELSKABET  
**NAKSKOV SKIBSVÆRFT**  
*A. Kristiansen*