

REPORT ON OIL ENGINE MACHINERY.

No. 23867.6

23 AUG 1935

Date of writing Report 20-8-1935 When handed in at Local Office

Port of Rotterdam

No. in Survey held at Rotterdam

Date, First Survey 22 Sept 1934 Last Survey 17 Oct 1935

Reg. Book.

Number of Visits 55

Single
on the Turn
Triple
Quadruple
Screw vessel

G S WALDEN

Tons Gross 1064.4
Net 629.2

Built at Rotterdam

By whom built Rott Doodok Me Yard No. 189 When built 1935

Engines made at Ksel

By whom made Tied Knyp. Germania Werf Engine No. 4818 When made 1935

Donkey Boilers made at Rotterdam

By whom made Rott Doodok Me Boiler No. 524-24 When made 1935

Brake Horse Power 3600

Owners The Oriental Tanker Co Ltd Port belonging to Hongkong

Nom. Horse Power as per Rule 908

Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

Trade for which vessel is intended

Petroleum in Bulk

L ENGINES, &c. Type of Engines Knyp patent Diesel, solid injection or 4 stroke cycle 2 Single or double acting Single

Maximum pressure in cylinders See Hamburg report CV 215-32 Diameter of cylinders Length of stroke No. of cylinders No. of cranks

Span 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

Crank Shaft, dia. of journals as per Rule Crank pin dia. Crank Webs Mid. length breadth Thickness parallel to axis

as fitted Crank pin dia. Crank Webs Mid. length thickness shrunk Thickness around eye-hole

Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as fitted 352 mm Thrust Shaft, diameter at collars as per Rule 346 mm

as fitted Intermediate Shafts, diameter as fitted 352 mm Thrust Shaft, diameter at collars as fitted 450 mm

Screw Shaft, diameter as per Rule 398 mm Is the screw shaft fitted with a continuous liner Yes

as fitted 398 mm Is the screw shaft fitted with a continuous liner Yes

Bronze Liners, thickness in way of bushes as fitted 22.5 mm Thickness between bushes as fitted 18 mm Is the after end of the liner made watertight in the

propeller 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

the 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 tight fit

two 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 1590

Propeller, dia. 5000 Pitch 3847. No. of blades 4 Material Bronze whether Moveable Yes Total Developed Surface 79 sq. feet

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

Forged Thickness of cylinder liners Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with

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

Cooling Water Pumps, No. 1 Duplex 240 x 150 Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

Bilge Pumps worked from the Main Engines, No. 1 Diameter 8 1/2" Stroke 8" Can one be overhauled while the other is at work

Pumps connected to the Main Bilge Line No. and Size 1 Duplex 390 x 260 1 Duplex 200 x 200 In pump room 200 x 150 x 150

How driven Steam Lubricating Oil Pumps, including Spare Pump, No. and size 110 x 100 x 525

Ballast Pumps, No. and size One 190 x 100 Oil Cooler Yes Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge

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

Pumps, No. and size:—In Machinery Spaces one 5" 2 3 1/4" 4 1 1/2" on boiler deck In Pump Room 2 in each 4"

Holds, &c. 2 in dry cargo spaces 2 in 2 in bottom stowage 2 1/2" 1 in chain locker 2 1/2"

Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 1 6" 1-10" Laid 4/9/35

all the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes Yes 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 Yes

all Sea Connections fitted direct on the skin of the ship To welded inlet boxes Are they fitted with Valves or Cocks Both

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

they 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

at pipes pass through the bunkers None 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 yes

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

partment to another Yes Is the Shaft Tunnel watertight Machaft 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 Stroke Driven by

Auxiliary Air Compressors, No. No. of stages Diameters 1 x 40, 1 x 30 Stroke 255 mm Driven by Steam Engine

all Auxiliary Air Compressors, No. No. of stages Diameters 165-175 Stroke 150 Driven by

venting Air Pumps, No. Diameter Stroke Driven by

Auxiliary Engines crank shafts, diameter as per Rule All steam engines Position—

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

Pressure Air Receivers, No. None Cubic capacity of each Internal diameter thickness

less, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules Actual

ating Air Receivers, No. 2 Total cubic capacity 20 cwt Internal diameter thickness

less, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules Actual

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