

REPORT ON MACHINERY.

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Date of writing Report 6 October 1914 when handed in at Local Office

Port of Amsterdam

Survey held at Amsterdam

Date, First Survey 23 Sept

Last Survey 5 October 1914

(Number of Visits 4)

on the motor machinery motor vessel Poseidon

Master W. P. Stret

Built at Middlesbrough

By whom built Smith's Dock Co Ltd

Tons { Gross 617
Net 301
When built 1914

Engines made at Amsterdam

By whom made Werkspoor

when made 1914

Boilers made at Amsterdam

By whom made Werkspoor

when made 1914

Registered Horse Power 105

Owners Ned Indische Bank Stoomboot Maats

Port belonging to Batavia

Net Horse Power as per Section 28

Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted Yes

ENGINES, &c. — Description of Engines

No. of Cylinders	Length of Stroke	Revs. per minute	No. of Cylinders	No. of Cranks
The screw shaft fitted with a continuous liner the whole length of the stern tube				
the propeller boss If the liner is in more than one length are the joints burned				
between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive				
If two are fitted, is the shaft lapped or protected between the liners				
Length of stern bush				
Diameter of Tunnel shaft as per rule as fitted				
Diameter of Crank shaft journals as per rule as fitted				
Diameter of Crank pin				
Size of Crank webs				
Diameter of thrust shaft under bars				
Diameter of screw				
Pitch of Screw				
No. of Blades				
State whether moveable				
Total surface				
Diameter of Feed pumps				
Stroke				
Can one be overhauled while the other is at work				
Diameter of Bilge pumps				
Stroke				
Can one be overhauled while the other is at work				
Diameter of Donkey Engines				
Stroke				
SIZES OF PUMPS				
No. and size of Suctions connected to both Bilge and Donkey pumps				
Engine Room				
In Holds, &c.				
of Bilge Injections sizes				
Connected to condenser, or to circulating pump				
Is a separate Donkey Suction fitted in Engine room & size				
all the bilge suction pipes fitted with roses				
Are the roses in Engine room always accessible				
Are the sluices on Engine room bulkheads always accessible				
all connections with the sea direct on the skin of the ship				
Are they Valves or Cocks				
they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates				
Are the Discharge Pipes 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 bruse covering plate				
at pipes are carried through the bunkers				
How are they protected				
all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times				
the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges				
Means of examination of completion of fitting of Sea Connections				
of Stern Tube				
Screw shaft and Propeller				
Screw Shaft Tunnel watertight				
Is it fitted with a watertight door				
worked from				

BOILERS, &c. — (Letter for record) Manufacturers of Steel

Heating Surface of Boilers	Is Forced Draft fitted	No. and Description of Boilers
Working Pressure	Tested by hydraulic pressure to	Date of test
No. of Certificate		
each boiler be worked separately	Area of fire grate in each boiler	No. and Description of Safety Valves to boiler
Area of each valve	Pressure to which they are adjusted	Are they fitted with easing gear
Least distance between boilers or uptakes and bunkers or woodwork	Mean dia. of boilers	Length
Material of shell plates	Range of tensile strength	Are the shell plates welded or flanged
Descrip. of riveting: cir. seams	Diameter of rivet holes in long. seams	Pitch of rivets
Lap of plates or width of butt straps	Percentage of strength of longitudinal joint	Working pressure of shell by rules
Size of manhole in shell	of compensating ring	No. and Description of Furnaces in each boiler
Material	Outside diameter	
Thickness of plain part	Thickness of plates	Description of longitudinal joint
No. of strengthening rings	Working pressure of furnace by the rules	Combustion chamber plates: Material
Thickness: Sides	Back	Top
Bottom	of stays to ditto: Sides	Back
Top	If stays are fitted with nuts or riveted heads	Working pressure by rules
Diameter of stays	Diameter at smallest part	Area supported by each stay
Working pressure by rules	End plates in steam space	
Thickness	Pitch of stays	How are stays secured
Working pressure by rules	Material of stays	
Area supported by each stay	Working pressure by rules	Material of Front plates at bottom
Material of Lower back plate	Thickness	Greatest pitch of stays
Working pressure of plate by rules	Pitch of tubes	Material of tube plates
Thickness: Front	Back	Mean pitch of stays
across wide water spaces	Working pressures by rules	Girders to Chamber tops: Material
Depth and	Distance of girder at centre	Length as per rule
Distance apart	Number and pitch of stays in each	
Working pressure by rules	Superheater or Steam chest; how connected to boiler	Can the superheater be shut off and the boiler worked
Diameter	Length	Thickness of shell plates
Material	Description of longitudinal joint	Diam. of rivet
Pitch of rivets	Working pressure of shell by rules	Diameter of flue
Material of flue plates	Thickness	
lined with rings	Distance between rings	Working pressure by rules
End plates: Thickness	How stayed	
Working pressure of end plates	Area of safety valves to superheater	Are they fitted with easing gear

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