

REPORT ON MACHINERY

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Port of *Hochholm*

Date, First Survey *31st July 1914* Last Survey *28th Sept. 1915*

No. in Survey held at *Hochholm*
Reg. Book. on the *S. S. "Lee Lee"*

Master _____ Built at _____ By whom built _____
Engines made at *Hochholm* By whom made *Messrs. J. & C. S. Linders & Co. Ltd.*
Boilers made at _____ By whom made *(Messrs. Pollock & Co. No. 27648. Eng. No. 10646/47)*
Registered Horse Power *120* Owners _____ Port belonging to _____
Nom. Horse Power as per Section 28 _____ Is Refrigerating Machinery fitted for cargo purposes _____ Is Electric Light fitted _____

ENGINES, &c.—Description of Engines *Cylinder two stroke cycle, reversible with* No. of Cylinders *2* No. of Cranks *2*
Dia. of Cylinders *380* Length of Stroke *410* Revs. per minute *295* Dia. of Screw shaft _____ Material of screw shaft _____
Is the screw shaft fitted with a continuous liner the whole length of the stern tube _____ Is the after end of the liner made water tight _____
Is the propeller boss _____ If the liner is in more than one length are the joints burned _____ If 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 _____ If two _____
liners are fitted, is the shaft lapped or protected between the liners _____ Length of stern bush _____
Dia. of Tunnel shaft _____ Dia. of Crank shaft journals _____ Dia. of Crank pin _____ Size of Crank webs _____ Dia. of thrust shaft under _____
collars _____ Dia. of screw _____ Pitch of Screw _____ No. of Blades _____ State whether moveable _____ Total surface _____
No. of Feed pumps _____ Meter of ditto *85* Stroke *20* Can one be overhauled while the other is at work _____
No. of Bilge pumps _____ Meter of ditto _____ Stroke _____ Can one be overhauled while the other is at work _____
No. of Donkey Engine _____ Sizes of Pumps _____ No. and size of Suctions connected to both Bilge and Donkey pumps _____
In Engine Room _____ In Holds, &c. _____

No. of Bilge Inj. _____ Connected to condenser, or to circulating pump _____ Is a separate Donkey Suction fitted in Engine room & size _____
Are all the bilg. _____ h roses _____ Are the roses in Engine room always accessible _____ Are the sluices on Engine room bulkheads always accessible _____
Are all conn. _____ on the skin of the ship _____ Are they Valves or Cocks _____
Are they fi. _____'s side to be seen without lifting the stokehold plates _____ Are the Discharge Pipes above or below the deep water line _____
Are they _____ always accessible on the plating of the vessel _____ Are the Blow Off Cocks fitted with a spigot and brass covering plate _____
What p. _____ kers _____ How are they protected _____

in connection with the machinery and all boiler mountings accessible at all times _____
Valves arranged so as to prevent any communication between the sea and the bilges _____
fitting of Sea Connections _____ of Stern Tube _____ Screw shaft and Propeller _____
Is the Screw Shaft Tunnel watertight _____ Is it fitted with a watertight door _____ worked from _____

BOILERS, &c.—(Letter for record)

Total 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 _____
Can each boiler be worked separately _____ Area of fire grate in each boiler _____ No. and Description of Safety Valves to _____
each boiler _____ Area of each valve _____ Pressure to which they are adjusted _____ Are they fitted with easing gear _____
Smallest distance between boilers or uptakes and bunkers or woodwork _____ Mean dia. of boilers _____ Length _____ Material of shell plates _____
Thickness _____ Range of tensile strength _____ Are the shell plates welded or flanged _____ Descrip. of riveting: cir. seams _____
long. seams _____ Diameter of rivet hole in long. seams _____ Pitch of rivets _____ Lap of plates or width of butt straps _____
Per centages of strength of longitudinal joint _____ Working pressure of shell by rules _____ Size of manhole in shell _____
Size of compensating ring _____ No. and Description of Furnaces in each boiler _____ Material _____ Outside diameter _____
Length 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 _____
Pitch of stays & ditto: Sides _____ Back _____ Top _____ If stays are fitted with nuts or riveted heads _____ Working pressure by rules _____ End plates in steam space: _____
Material of stays _____ Diameter at smallest part _____ Area supported by each stay _____ Working pressure by rules _____ Material of stays _____
Material _____ Thickness _____ Pitch of stays _____ How are stays secured _____ Working pressure by rules _____ Material of Front plates at bottom _____
Diameter at smallest part _____ Area supported by each stay _____ Working pressure by rules _____ Working pressure of plate by rules _____
Thickness _____ Material of Lower back plate _____ Thickness _____ Greatest pitch of stays _____ Working pressure of plate by rules _____
Diameter of tubes _____ Pitch of tubes _____ Material of tube plates _____ Thickness: Front _____ Back _____ Mean pitch of stays _____
Pitch across wide water spaces _____ Working pressures by rules _____ Girders to Chamber tops: Material _____ Depth and _____
thickness 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 _____
separately _____ Diameter _____ Length _____ Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet _____
holes _____ Pitch of rivets _____ Working pressure of shell by rules _____ Diameter of flue _____ Material of flue plates _____ Thickness _____
If stiffened with rings _____ Distance between rings _____ End plates: Thickness _____ How stayed _____
Working pressure of end plates _____ Area of safety _____

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