

Report on Refrigerating Machinery and Appliances.

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on the Refrigerating Machinery and Appliances of the S.S. ALOUETTE Tons (Gross/Net)
 Vessel built at _____ By whom built _____ Yard No. _____ When built _____
 Owners Gen. Steer. Nav. Co. Ltd. Port belonging to _____ Voyage _____
 Refrigerating Machinery made by J.E. Hall, Ltd. Balford Machine Nos. 13160/13161 When made 1948
 Insulation fitted by _____ When fitted _____ System of Refrigeration CH₂CL₂ & Air
 Method of cooling Cargo Chambers Air Insulating Material used _____
 Number of Cargo Chambers insulated 1 Total refrigerated cargo capacity 5100 cubic feet

DESCRIPTION OF REFRIGERATING MACHINERY. Where placed Main deck

Refrigerating Units, No. of 2 No. of machines 2 Is each machine independent Yes
 Total refrigeration or ice-melting capacity in tons per 24 hours 5.1 tons Are all the units connected to all the refrigerated chambers Yes
 Compressors, driven direct or through belt drive Compressors, single or double acting Single If multiple effect compression no
 Are relief valves or safety discs fitted pressure cut out No. of cylinders to each unit 2 Diameter of cylinders 4"
 Diameter of piston rod thru piston Length of stroke 3 1/2" No. of revolutions per minute 500
 Motive Power supplied from electric motor through Vee belt drive
(State number of boilers, oil engines or electric generators supplying the motive power.)

~~Steam Engines, high pressure, compound, or triple expansion, surface condensing. No. of cylinders _____ Diameter _____
 Length of stroke _____ Working pressure _____ Diameter of crank shaft journals and pins 2"
 Breadth and thickness of crank webs 6" dia x 1 7/8" No. of sections in crank shaft one Revolutions of engines per minute 500
 Oil Engines, type 2 or 4 stroke cycle Single or double acting _____ B.H.P. _____
 No. of cylinders _____ Diameter _____ Length of stroke _____ Span of bearings as per Rule _____
 Maximum pressure in cylinders _____ Diameter of crank shaft journals and pins _____
 Breadth and thickness of crank webs _____ No. of sections in crank shaft _____ Revolutions of engine per minute _____~~

~~Air Receivers:—Have they been made under survey _____ State No. of Report or Certificate _____
 Is each receiver, which can be isolated, fitted with a safety valve as per Rule _____
 Can the internal surfaces of the receivers be examined and cleaned _____ Is a drain fitted at the lowest part of each receiver _____
 No. of Receivers _____ Cubic capacity of each _____ Internal diameter _____ thickness _____
 Seamless, lap welded or riveted longitudinal joint _____ Material _____ Range of tensile strength _____ Working pressure by Rules _____~~

Electric Motors, type Enclosed ventilated No. of 2 Rated 6 BHP Kilowatts 220 Volts
 at 1500 revolutions per minute. Diameter of motor shafts at bearings _____

~~Reduction Gearing _____ Pitch circle diameter, pinion _____ Main wheel _____ Width of face _____
 Distance between centres of pinion and wheel faces and the centre of the adjacent bearings, pinion _____ Main wheel _____
 Pinion shafts, diameter at bearings _____ Main wheel shaft, diameter at bearings _____~~

Gas Condensers, No. of 2 Cast iron or steel casings steel Cylindrical or rectangular Cylindrical Are safety valves fitted to casings no
 No. of tubes 36 Material of coils Yorcalbro Can each coil be readily shut off or disconnected no

Water Circulating Pumps, No. and size of pumps available 1-1 1/2 cent how worked electrically Gas Separators, No. of 2
 Gas Evaporators, No. of See air coolers below Cast iron or steel casings _____ Pressure or gravity type _____ If pressure type, are safety valves fitted _____
 No. of coils in each casing _____ Material of coils _____ Can each coil be readily shut off or disconnected _____

Direct Expansion or Brine Cooled Batteries, No. of 2 Are there two separate systems, so that one may be in use while the other is being cleared of snow no
 No. of coils in each battery 4 Material of coils steel 1 o.d. grided tube Can each coil be readily shut off or disconnected _____
 Total cooling surface of battery coils 202 sq ft grided Is a watertight tray fitted under each battery yes

Air Circulating Fans, Total No. of 2-16" each of 1800 cubic feet capacity, at 2500 revolutions per minute
 Steam or electrically driven electrically Where spare fans are supplied are these fitted in position ready for coupling up no

Brine Circulating Pumps, No. and size of, including the additional pump _____ how worked _____
 Brine Cooling System, closed or open Dr. Expⁿ Are the pipes and tanks galvanised on the inside _____

No. of brine sections in each chamber 8 total = (4 per cooler)

Can each section be readily shut off or disconnected no Are the control valves situated in an easily accessible position yes

NOTE.—THE WORDS WHICH DO NOT APPLY SHOULD BE DELETED.

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