

M/S. "VIRGINIA", Nakskov Skibsværft's Yard No. 5.

List of Spare Gear.

Main engine:-

- 2 main bearing brasses.
- 2 Crank pin brasses.
- ✓ 2 Connecting rod bolts with nuts &c.
- 1 Set of crosshead brasses.
- ✓ 1 Piston complete with piston bolt.
- ✓ 3 Set of piston packing rings.
- ✓ 6 Exhaust valves complete with seats & spindles &c.
- ✓ 3 Exhaust valve seats.
- ✓ 3 Exhaust valve discs.
- ✓ 1 Cylinder cover complete.
- ✓ 2 Starting valves complete with chest, spindle, spring &c.
- ✓ 3 Fuel oil valves complete.
- ✓ 3 Spindles for fuel oil valves.
- 3 Ball-cups.
- ✓ 2 Pistons for fuel oil pump.
- ✓ ½ Set of springs for motor.
- ✓ 8 Studs for cylinder covers.
- ✓ 2 Suction valves complete for L.P. air compressor.
- ✓ 2 Discharge " " " " "
- ✓ 1 Suction " " for M.P. " "
- ✓ 1 Discharge " " " " "
- ✓ 1 Suction " " for H. P. " "
- ✓ 1 Discharge " " " " "
- ✓ 12 Suction & discharge valve discs with springs for H.P. air compressor.
- ✓ 12 Suction & discharge valve discs with springs for M.P. air compressor.



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- ✓ 12 Suction & discharge valve discs with springs for L.P. air compressor.
- ✓ 8 Piston packing rings for H.P. air compressor.
- ✓ 2 Piston packing rings for M.P. air compressor.
- ✓ 2 Piston packing rings for L.P. air compressor.
- 1 Cooling coil complete for H.P. " "
- ✓ 2 Suction valves complete for fuel oil pump.
- ✓ 2 Discharge " " " " " "
- 4 Bolts for fly wheel coupling.
- ✓ 8 ordinary coupling bolts.
- 2 Bolts for propeller shaft coupling.
- 1 Cylinder liner.
- 1 Propeller shaft with nut.
- 1 Propeller.
- 30 Springs of various size.

Auxiliary Diesel Engine:-

- 1 set crank pin brasses.
- 1 set main bearing brasses with white metal.
- ✓ 1 cylinder cover complete.
- ✓ 1 set of piston packing rings.
- 1 set crank pin brasses with white metal.
- ✓ 2 connecting rod bottom end bolts with nuts.
- 1 set crosshead brasses.
- ✓ 2 exhaust valves complete.
- ✓ 1 valve basket for fuel oil valve.
- ✓ 1 valve guide for do.
- ✓ 1 sprayer for do.
- ✓ 2 spindles for do.
- ✓ 2 spraying discs for do.
- ✓ 1 starting valve complete.
- ✓ 1 set springs complete for motor.
- ✓ 1 suction valve for fuel oil pump.
- ✓ 1 discharge " " " " "



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DESCRIPTION OF DYNAMO, ENGINE, ETC.

One compound wound dynamo driven by a 2 cyl. auxiliary Diesel

- 3 -

- ✓ 1 piston for fuel oil pump.
- ✓ 1 discharge valve complete for L.P. compressor.
- ✓ 1 " " " " H. P. "
- ✓ 1 suction " " " " H.P. "
- ✓ 1 set of piston packing rings for H.P. piston.
- ✓ 2 piston packing rings for L.P. piston.
- 1 cooling coil for H.P. compressor.
- ✓ 8 studs with nuts for cylinder covers.
- 1 set crank & crosshead brasses for compressor.

Auxiliary Machinery:-

- 1 bush for connecting rod.
- 2 piston packing rings, valves & springs &c.
- Suction- and discharge valves, piston packing rings, springs &c. for the small air compressor.
- ✓ 1 suction valve complete for bilge & cooling water pumps.
- ✓ 1 discharge " " " " " " " "
- ✓ Bolts and nuts and iron bars &c. of various size.

DESCRIPTION OF CABLES.

Wire rope carrying	17	1/2"	180	50	square in
Wire cables carrying	17	1/2"	180	50	square in
Wire cables carrying	5	1/2"	180	50	square in
Wires to lamps carrying	1	1/2"	180	15	square in
Wire light cables carrying	5	1/2"	180	25	square in

DESCRIPTION OF INSULATION, FENCING, ETC.

The engine room is lined with glass and aluminium sheet and has around them large air conditioning coils and pipes and ducts.

Wires in engine, how made, insulated, and protected.

Are all the joints of cables thoroughly soldered, and the wires are in proper positions, also being made in holders or in special positions.

Are there any joints in the branches from the main cables?

How are the cables led through the ship, and are they secured by proper clamps or ties?



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2. Practicing living for G.P. prayer.

A set of piston packing rings for H.P. piston.

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$$\begin{aligned} &= \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} e^{-x^2} dx \\ &= \frac{1}{\sqrt{\pi}} \cdot \sqrt{\pi} = 1 \end{aligned}$$

The discharge valve complete for r.p. compressor.

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