



governors.

engine lubricating oil and fresh water coolers.

Generator Engines (2):-

Two (2) generator engines were examined over all parts with heads and valves, pistons, connecting rods, wrist pins and bushings, crankshaft and bearings, attached lubricating oil, salt and fresh water cooling pumps, fuel pumps, electric starters, interlocks, oil filters and governors.

Examined 2 ballast, 2 fire and bilge, lubricating oil transfer and stand by, circulating oil and 2 cooling water pumps for reduction gear, 1 stand by for reduction 2 fresh water; hot water circulating, boiler feed, fuel oil burner and independent pump for pumproom.

Two stage compressors and 2 air receivers for inflating tires to main engine clutches examined and tested.

Piping arrangements with valves, pipes and strainers, examined, tested and proven in good operating condition.

Parts of machinery placed on board to Rule requirements.

Electrical:- All generators and motors removed to shop, armatures removed and baked, generators skimmed and mica undercut, insulation coated, brushes and holders overhauled, switches examined and parts renewed as required.

Wiring on switchboard and panels examined and placed in order, insulation resistance on circuits megger tested.

Generators operated in parallel and separately to Rule requirements, reverse current switches and circuit breakers checked and operated.

Equipment supplied to comply with the Rules.

Boiler:- The Donkey Boiler was examined over all parts with mountings, safety valves, fresh water feed pump and oil burning equipment.

Pressure valves adjusted under steam to 50 lbs.

Notes:- This boiler used for domestic purposes only.

Relocation:- Two generator engines, Donkey boiler and switchboard relocated in the auxiliary engine room on the 3rd deck as shown on plans.

Exhaust lines from all engines extent to stack properly secured, lagged for entire length and equipped with silencers.

2 ballast pumps relocated as follows:-

One installed in the starboard shaft alley complete with foundation, wiring and piping, connected to sea, engine room, shaft alley bilges and ballast tank.

Another pump installed in the forward pumproom connected to sea, fore peak, pumproom bilges, and cofferdam and ballast tanks Nos. 6 & 7.

Water pump and engines:-

Two new cargo pumps installed in the main pumproom (p&s) driven by two 6 cylinder diesel engines located in the auxiliary engine room, drive shaft extending through the pumproom head and clutch connected.

Engines & Pumps:- Fairbanks Morse Co. Type 31A6 $\frac{1}{2}$ -H.P. 175-RPM 720-6 $\frac{1}{2}$ "x9".

Two pumps 6 stages centrifugal.

Direct drive,

Using air tanks for pumping engines (for four vessels) Pressed steel Tank Co.

Waukegan, Wis. LLOYD'S #3195-3197-3199 G.N. TEST 500 lbs. W.P. 250 lbs. 11-16-48

M.V.  
"LINDA"  
ex  
LST 200

### Repairs Main Engine:-

9 Crankpin bearings, 2 main bearings, one cylinder head and one connecting rod renewed. seats machined and valves ground in. Governors electric starters, attached lubricating oil pumps, salt water and fresh water removed to shop and overhauled renewing worn or defective parts as required. Scavenge blowers removed to shop, cleaned and end seals renewed. Clutch assemblies and reduction gears opened checked and tested.

Engines run for dock and sea trials and proven in good working condition.

### Generator Engines (2):-

Renewed 3 pistons, 12 wrist pin bearings, 4 exhaust valves and 2 rocker arms. Engines removed to shop and completely overhauled, crankshafts placed in lathe and checked. Intercoolers, cooling jackets, heads and exhaust manifolds chemically cleaned. Bosch fuel pumps overhauled by the makers. Attached lubricating oil, salt and fresh water cooling pumps overhauled and parts renewed. All valves reseated. Engines run in shop and after installing in place and tests carried out to Rule requirements.

### Pumps:-

Motor driven fire and bilge (2) reduction gear lubricating oil (2) and salt water cooling (2), fresh water (2), fuel transfer, lubricating oil transfer; stand by and boiler feed pumps, completely overhauled renewing worn and defective parts.

All pumps tested under working conditions.

Outer bearings in stern tubes renewed with bronze bushings lined with white metal.

A spare tail shaft is on board, also 2 bronze propellers. (Original Navy equipment).

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