



Machinery Report S.S. "KARUAH"

31st July, 1953.

Electrical Installation (continued).

cleaned and overhauled.

Engine room and boiler room lighting partly rewired. Navigation lights overhauled. An oil fuel transfer pump installed, this pump is driven by a Laurence Scott and Electro Motors. Motor  $1\frac{1}{2}$  HP - 110 volts - 13.4 Amps 1000 RPM - Shunt wound, continuously rated, Serial No. 122620.

On completion of overhaul, all circuits tested for insulation resistance generators tested for governing and compounding. All found satisfactory.

In S.R. List No. 126

Stiffening web of top steam and exhaust port of L.P. cyl. cracked. This item now examined and found not to have extended as machinery has had little use since last examination, but should be again examined by 12,53.

Repairs due to Wear and Tear.

Water box of auxiliary condenser renewed.

Now Done for Conversion to fuel oil firing:-

The funnel and uptake dampers removed.

The underfeed retort type coking stoker equipment removed from the port and starboard boilers, brick pans installed at furnace bottoms with air trunking led under these to the furnace fronts at the fore end of boilers for air supply to two pressure type burners for each furnace.

The following units now fitted in accordance with approved drawings.

Two steam driven weir type fuel oil pressure pumps  $3\frac{1}{2}$ " x 5" x 6" stroke with one pump connected for alternative oil transfer duties and steam supply to both pumps connected for control outside machinery spaces.

Two U type fuel oil heaters with steam drains led to observation drain tank.

Two suction and two discharge fuel oil strainers.

One 2" bore tri lobe type fuel oil transfer pump, driven thro. reduction gearing by  $1\frac{1}{2}$  H.P. elect. motor and connected for stop button outside machinery space.

One  $\frac{3}{4}$ " bore gear type pump direct driven by 1 H.P. electric motor for lighting up duties.

One 5 K.W. electric fuel oil heater for lighting up duties.

One observation drain tank for fuel oil heater drains, and heating coil drains from P & S cross bunkers, P & S double bottom tanks and P & S settling tanks.

A CO<sub>2</sub> fire smothering apparatus fitted and the general requirements of Chapter F sections 2 & 3 complied with.

The fuel oil supply valves from cross bunker and settling tanks fitted with extension spindles for control outside machinery space.

The fuel oil supply pipe to burners fitted with a quick closing valve.

The remaining requirements of circular 1866 carried out where applicable.



© 2021

Lloyd's Register  
Foundation