

frequent periods for cooling, and stress relieving of weld metal by peening. Completed repairs examined after engine had been warmed through and found satisfactory.

It is recommended that this repair be accepted as permanent subject to it being examined and found satisfactory at the end of a period of 3 months (i.e. at the end of June 1949).

NOTE:- DIA. OF H.P. CYLINDER NOW 23 $\frac{1}{4}$ "

OIL FUEL CONVERSION.

Oil Fuel Settling tanks fitted in tween deck space (pos) abreast engine room. Access doors in ceiling bulkhead provided. Gutters, overflow pipes, level indicators, suction spilling valves, fitted in accordance with the Rules.

Oil fuel heating & pumping unit (Todds), satisfactorily installed. Identification marks: - T. 1535. LLOYDS TEST Body 500LBS. COILS 500LBS. 9.4.48. 211 N^o 23607. E.M.S

Oil fuel suction spilling pipes in machinery space tested to 500 lbs/in². Oil fuel discharge pipes tested to 400 lbs/in², placed in sight above the platform, in well lighted parts of the stokehold. Lighting up unit fitted.

Existing general service pump - Suctions to Notwell, & R. d.b. tanks & has been blanketed off. Discharges to boilers & across Feed water service, blanked. This pump can now only be used for bilge ballast purposes.

A second-hand auxiliary feed pump has been installed, with suction sea, Notwell, & Aft peak tank (F.W.) and discharges to boilers, (main). This pump, not built under Survey, opened out & examined, steam & water end hydraulically tested, & subsequently examined under working conditions & found in good order. Identif. marks - LLOYDS TEST. 400LBS 22.2.49. J.B.

All lead pipes in machinery spaces removed & replaced by pipes of steel.

Steam fire extinguishing apparatus, fitted as per Rules, and tried out under working conditions.

Extended control rods to settling tank suction valves & control to steam for units steam transfer pump & fire extinguishing gear, fitted as per Rules tried out under working conditions.

The original cross bunker, forward of boiler room, has been converted to a deep tank, intended for water ballast or dry cargo. Bilge ballast suction with suitable blank flanging arrangements have been installed (Pos).

The requirements of the Rules for the use of oil as fuel have been complied with.

Plan of pumping arrangement, as fitted, is forwarded herewith.

Plan of pumping arrangement, approved 20.1.49, is being retained for use on the "Lord Lloyd George" which is undergoing conversion to Oil Fuel at this port.

Special Reasons List - Steam pipes of Port Boiles, and from bulkhead stop valve to main engine have now been examined and tested in accordance with the Rule. * it is submitted that this item be now deleted from the S.R. list.

