

URGENT

S. S. "DIYATALAWA" ex "Rappengels" ex German Steamer.

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This vessel built in 1912 by Messrs. Bremer Vulcan Vegesack was classed with the Germanischer Lloyd and is now at Falmouth undergoing survey with a view to classification with this Society.

Plans of the Main and Donkey Boilers and pumping arrangements, together with particulars of the cylinders and sizes of the shafting have now been forwarded for consideration.

With engines having cylinders  $28\frac{3}{4}" \times 46\frac{7}{8}" \times 75\frac{5}{8}"$  diameter by 53.15/16" stroke, working pressure 13.5 KG/CM<sup>2</sup>, diameter of propeller 19'  $4\frac{1}{4}"$  and screw shaft without liners, the sizes of the shafting as given, viz:- crank 15.9/16", thrust 15.9/16", intermediate  $14\frac{3}{4}"$  and screw shaft  $17\frac{1}{8}"$  diameter meet the requirements of the Rules for the above working pressure.

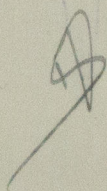
The plan of pumping arrangements is in accordance with the requirements of the Rules except that, in lieu of a donkey pump direct suction, one of the main engine bilge pumps is fitted with a direct suction to the engine room bilge. A similar arrangement has been approved in previous cases.

The scantlings of the main and donkey boilers as shown on plan meet the requirements of the Rules, in force at the time the boilers were constructed, for the original working pressure of 13.5 KG/CM<sup>2</sup> for the main boilers and 8.5 KG/CM<sup>2</sup> for that of the donkey boiler.

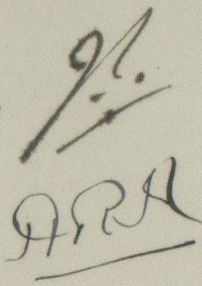

IT IS SUBMITTED that providing the working parts of the engine be opened out and examined and be found in good order, and in accordance with the Rules; the main and donkey boilers be examined throughout, their scantlings be in accordance with the plans and the boilers otherwise be in good order and safe working condition; the pumping arrangements be as shown on plan and otherwise in good order and in accordance with the requirements of the Rules, the machinery of this vessel might be accepted for the original



working pressure of 13.5 KG/CM<sup>2</sup> and 8.5 KG/CM<sup>2</sup> for the donkey boiler and a notation of L.M.C. (with date) without the distinguishing mark \* be assigned.

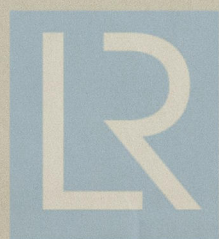


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(Return 5 plans)

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