

CASE NO. 243 G.

SHIP: S.S. "MOBILUBE"
ENGINEERS: De Laval S.T.Co.

Eng. No. 244405

IT IS SUBMITTED the New York Surveyors be informed the torsional vibration characteristics of the shafting installation of the main machinery have been examined in conjunction with the Engine Builders' calculations and merit approval for a service speed of 100 R.P.M.

It should be pointed out, however, that the calculations indicate a possibility of gear hammer in the L.P. gearing in way of the 1-node 4th order critical speed calculated to occur at 53 R.P.M.; if such gear hammer does in fact occur and is considered excessive a restricted range of revolutions will be required in way of the critical speed.

The Surveyors attending sea trials should be requested to ascertain this, and forward their recommendations for the limits of the restricted range, if required.

Cha.

5.12.51.

Return 1 set of Firm's calculation sheets,
Retain 1 set of Firm's calculation sheets in Research Files.

See clarification endorsement of 5/12/51.
See



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