

15711

CASE NO. 188F

SHIP "ARENDSKERK"

SHIPBUILDERS Ned. Dock & Scheepsbouwij.

ENGINEERS Stork Bros.

YARD NO ~~238~~ 283

Eng.No —

Order No —

Contr.No —

IT IS SUBMITTED the *Amsterdam* Surveyors be informed the torsional vibration characteristics of the shafting installation of the *auxiliary* machinery have been examined in conjunction with the *Frans's* calculations and merit approval for a service speed of 375 R.P.M. ~~provided a notice board be fitted at the control station stating that the engine is not to be operated continuously between — and — R.P.M., and the engine tachometer be marked accordingly.~~

provided *tachograph* records taken from the installation confirm that the vibration stress in the No.5 crankpin, arising from the one node $7\frac{1}{2}$ order critical, is not in excess of 3900 lb/in², when the compressor is engaged or disengaged, and the measured and calculated 2 node natural frequencies are in ^{close} agreement.

SA. *S.P.*
26/11/48.

The plans forwarded with the Surveyors letter are noted. *R.*
24/12/48

Advise

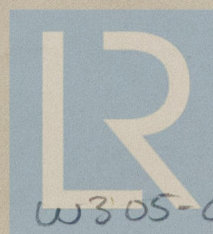
Surveyors

Return 3 plan(s) and 1 sets of Firm's calculation sheets.

Retain 3 copy(ies) of plan. Firm's calculation sheets meanwhile.

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

Ltr 29/3.



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