

Special Investigation by Engineer Research Department 2

(No Form 1 issued in this case)

SUPPLEMENT

No. in Reg. Book 35505 Vessel's Name m.v. 'LENA' Case No. E.R.D. 1261

At the request of the Builders, Messrs. 'De Schelde', the Engineering Research Department has carried out an investigation into the unusual noise and vibration experienced during the preliminary trials on this vessel.

A practical check of the shafting alignment of the vessel was made, together with theoretical calculations into the possible stresses existing in the shafting, and all found satisfactory.

It was concluded that:

- (1) The suspected tailshaft vibration, while responsible for a certain amount of the noise emitted at the stern of the vessel, is not considered to be serious enough to cause dangerous stresses in the tailshaft.
- (2) The major portion of the noise comes from action of the propeller, and is possibly caused by strong vortices ejected off the blade edges towards the tips, which reach a maximum between 155 and 170 r.p.m.

It is proposed to make a special recommendation to the Committee resulting from this investigation? NO.

(Signed) Bryson



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