



# Lloyd's Register of Shipping,

RECEIVED

10 DEC 1945

AND

Westminster Buildings,

Theatre Square,

Nottingham, 8th December, 1945.

Your  
Reference

Dear Sir,

Ruston & Hornsby Ltd., Engines Type 3VR0Z.  
O/No. 17/450175 - Cochrane & Sons, Selby. Yd. No. 1319.  
O/No. 17/450224 - C.D. Holmes, Hull, Yd. No. 766.

We beg to enclose for the consideration of the Committee the following drawings in connection with torsional vibration characteristic calculations:-

- 2G-197 - Torsional characteristics clutch disengaged.
- 2G-198 - Torsional characteristics clutch engaged.
- 45-1085 - Arrgt of unit for O/No. 17/450175.
- 45-1286 - " " " " O/No. 17/450224.
- 13727 - Compressor crankshaft.

The drawing for the clutches No. 7SD-3 is already in your possession.

The following information is given by the engine builders:-

One Node - Clutch Disengaged (Unit amplitude at end mass)

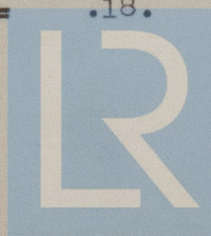
$$6, 7\frac{1}{2}, 9, 10\frac{1}{2}. = 1.523.$$

$$6\frac{1}{2}, 8, 8\frac{1}{2}, 9\frac{1}{2}. = .36$$

One Node - Clutch Engaged (Unit amplitude at end mass)

$$6, 7\frac{1}{2}, 9, 10\frac{1}{2}. = .6783.$$

$$6\frac{1}{2}, 8, 8\frac{1}{2}, 9\frac{1}{2}. = .18.$$



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P.T.O.

Lloyd's Register  
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# Lloyd's Register of Shipping

Westminster Buildings,  
Theatre Square,

We should feel grateful for your comments at your  
early convenience.

We are, Dear Sir,  
Yours faithfully,  
For the Surveyors,

The Secretary,  
LONDON.

*J. Buchanan*

Referred to the Chief Engineer Surveyors



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