

COPY

THE CANADIAN FAIRBANKS-MORSE COMPANY LIMITED.

Halifax, April 22, 1949

British Corporation Register  
of Shipping,  
HALIFAX, N. S.

Dear Sir:                    Attention: Mr. T. Laurie

With reference to the 480 H.P. Fairbanks-Morse Model 31A8 $\frac{1}{2}$  Marine Diesel Engine #922822 installed in the M/V "FORT HEARNE", please be advised critical speed calculations on this engine are reported from our factory as follows:

With Airflex Clutch engaged 1st frequency, 8th order at 69.5 R.P.M., Airflex Clutch disengaged 1st frequency, 5th order at 600 R.P.M., <sup>8th at 375</sup>

The criticals are either below or above the operating speed of the engine, therefore the unit will be free from harmful criticals in the operating speed range of the engine.

Yours faithfully,

THE CANADIAN FAIRBANKS-MORSE COMPANY LIMITED

(Signed I. W. Horton, Manager



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Foundation

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