

MAIN PROPELLING OIL ENGINES.

E1.

Shafting Endorsement.

NEW ENGINES.

M.V. "ZWEENA"

Shipbuilders: Messrs.

Yard No.

Engineers: Messrs. *Werkspoor*

Engine No.

It is submitted that with engines for main propelling purposes, having particulars as stated below, the following sizes of shafting merit approval, viz.:

Sizes of Shafting:

Crank	Flywheel	Thrust <i>185 mm.</i>
Intermediate <i>140 mm</i>	Tube	Screw <i>130 mm.</i>

Particulars of Engines:

Engine Type	<i>4SCSA</i>	Max. Press. in Cylinders <i>47 kg/cm<sup>2</sup></i>
<del>Open Sea Service</del>		<del>M.I.P. or M.E.P.</del>
<del>Smooth Water Service</del>		<del>I.H.P. or B.H.P.</del> <i>470</i>
No. of Cylinders	<i>6</i>	Weight of Flywheel <i>885 kg.</i>
Diam. of Cylinders	<i>300 mm</i>	Diam. of Flywheel <i>950 mm.</i>
Stroke	<i>480 mm</i>	<del>GD<sup>2</sup> of Balance Weights</del>
<del>Span of Bearings</del>		<del>GD<sup>2</sup> of Turning Wheel</del>
Revs. per Min.	<i>365</i>	Diam. of Propeller <i>1930 mm</i>
		Screw Shaft With <del>one</del> Continuous Liner

The plan showing details of straight shafting also merits approval.

It is concluded that the weight of the flywheel is approximately as stated above but this should be confirmed

Return/Plan .

Retain /Copy.

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*W.A.H.*

*gob. 11/8/38*

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New Engines

M.V. Zweena

*W. Zweena*

It is submitted that the engine and boiler are of the same type as the engine and boiler of the M.V. Zweena, and that the engine and boiler are of the same type as the engine and boiler of the M.V. Zweena.

1. The engine and boiler are of the same type as the engine and boiler of the M.V. Zweena.

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3. The engine and boiler are of the same type as the engine and boiler of the M.V. Zweena.

4. The engine and boiler are of the same type as the engine and boiler of the M.V. Zweena.

22.9.11 11.15.12



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