

SECTION 8.

LOST OR
BROKEN UP.
(α)

WORLD.

OTHER
COUNTRIES.

No. Title No. Title No. Title

For case

ENCLOSURES

9th June, 1950

RAEUS

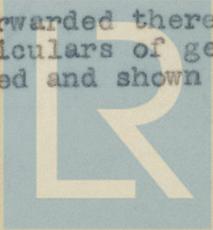
044 "GEORGIOS P". Action in this case has been deferred pending the receipt of further information, as under, regarding the machinery:-

The plan of Pumping Arrangements for this vessel has been examined, and the arrangements shown thereon are not such as could be accepted without modification.

It will be necessary for the bilge system to be made entirely separate and distinct from the ballast and fresh water systems

A suggested rearrangement has been indicated on the plan, together with other amendments necessary in order to comply with British Corporation Rules and Requirements.

The Rpt. 13 and the plans forwarded therewith are not consistent in regard to particulars of generator cables in that these cables are reported and shown respectively as follows:-



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contd.

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Continuation of PIRAEUS Classing Letter 9th June, 1950.

kW generators.

Main cables 2 x 19/.083 per pole (Reported)
1 x 50 mm² per pole (Shown)

Equaliser 1 x 19/.028 (Reported)
1 x 50 mm² (Shown)

.4 kW generator

Main cables 2 x 19/.064 per pole (Reported)
1 x 35 mm² per pole (Shown)

Equaliser 1 x 19/.028 (Reported)
1 x 35 mm² (Shown)

From the plans the 19/.083, 19/.064 and 19/.028 cables can be identified as 50, 35 and 6 mm² cables respectively and it would appear that the shunt field cables (6 mm² in all cases) have been incorrectly reported as the equaliser cables. As the cables reported elsewhere in the Rpt. 13 are consistent with the plans, it is concluded that the generator cables fitted are in accordance with the latter.

If such be the case, the 43 kW generator cables are acceptable being 1 x 50 mm² per pole with a current rating of 99 amps. compared with the generator full load current of 155 amps. Two 50 mm² cables in parallel per pole should be fitted, or alternatively, a single 95 mm² per pole. The 18.4 kW generator cables as shown on the plans are considered such as could be accepted in this instance.

The undermentioned cables as reported and shown are also unacceptable being deficient in current carrying capacity in relation to the currents in the respective circuits and should be replaced by cables having the sectional areas shown hereunder:-

Circuit	Motor Current (amps)	Cable Fitted Size (mm ²)	Rating (amps)	Minimum Acceptable Cable	
				Size (mm ²)	Rating (amps)
2 H.P. Cargo amp	121	35	78	70	125
5 1/2 H.P. Cargo Inch Aft.	97	25	63	50	115 (1/2 hr)
4 H.P. Windlass.	91	16	49	50	103 (1 hr)

Motor currents per Table XIII of Rules for Electrical Equipment.

The remaining cable sizes as reported and shown are considered such as could be accepted, in this instance, and the installation in other respects appears to be acceptable.

Continuation (3) of PIRAEUS Classing Letter 9th June, 1950

I shall be glad to receive your comments concerning the conclusion in regard to the generator cables, also on all other matters referred to above, at an early date.

Two copies each of plan of switchboard, light and power circuits, and pumping arrangements are returned herewith.

At the same time, I think it well to remind you that the new shaft should be examined as set forth in the British Corporation letter dated 12.1.49.

59 As recommended.



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