

Twin Screw Tanker "SAROENA".

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Owing to torpedo damage, the shell plating on the port side has required to be renewed from B strake to sheerstrake. This has been fitted .562 in thickness instead of as originally proposed by the Builders when the vessel was constructed.

Based on the Rules for vessels carrying petroleum in bulk, and making allowances for the side girders and two longitudinal bulkheads which are fitted, the thickness of this plating could be .54. At the same time a check is made in such cases to ensure that the thickness of this plating is not appreciably less than would be required for cargo vessels (.04 less has been accepted in certain cases in vessels of this size). On this basis the thickness should be .58. The damaged shell plating has been replaced with plates .562 in thickness.

It is considered in this case that, having regard to the fact that the renewal has been made on one side only, and that the vessel is of a special type with a deep continuous trunk, thereby limiting the longitudinal stress on the side plating, no exception need be taken to the plating as fitted.

20th June, 1944.



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