



COPY

C.3587

LLOYD'S REGISTER OF SHIPPING
L.

156110

Port.....SUNDERLAND.....

Date.....21th March, 1966.....

This is to Certify that at the request of Messrs. T. S. Forster & Sons, Ltd., the undersigned Surveyor attended their Works at Pallion, Sunderland, on the 18th February, 1966, and subsequently, for the purpose of examining, during and upon completion, repairs to the rudder and rudder head stated to be from the "TASSIA".

WORK NOW DONE

Rudder plating cut out and webs removed where damaged. i.e. Aft of vertical web and above middle horizontal web. New plates and webs electrically welded in position by Messrs. Crompton & Harrison Ltd., and air tested with satisfactory results. The bores of both pintle holes were built up with electric welding.

The coupling face was remachined and the keyway recut on centre line. A new forged steel head was coupled to the rudder and new bolts fitted. The pintle holes were rebored to take the pintles, a new pintle with brass liner being fitted to the upper pintle hole and the old pintle with new brass liner being fitted to the lower pintle hole. The liner ends being sealed with "Devcon".

On completion the alignment was checked and found satisfactory.

Test Results for Head A 59

I.	Yield 17.2 tons sq.in.
	Ult. 31.2 tons sq.in.
	El. on 2" 29%
	Bend 180o
B.	Yield 18.8 tons sq.in.
	Ult. 32.0 tons sq.in.
	El. on 2" 31%
	Bend 180o

Analysis	C.	Si.	Mn.	S.	P.
	.215	.212	.67	.026	.042

For identification purposes the rudder and rudder head were stamped as follows:-

LLOYD'S SLD.
4209
16/3/66. JM.

FEE: £7.7.0d.

J. Mumberson
Surveyor to Lloyd's Register of Shipping
J. MUMBERSON.

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:-

"The Committees of the Society use their best endeavours to ensure that the functions of the Society are properly executed, but it is to be understood that neither the Society nor any Member of any of its Committees nor any of its Officers, Servants or Surveyors is under any circumstances whatever to be held responsible or liable for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the Society, or for any act or omission, default or negligence of any of its Committees or any Member thereof, or of the Surveyors, or other Officers, Servants or Agents of the Society."