

LONDON  
COPY.

REPORT N<sup>o</sup> 546-D.

# Lloyd's Register of Shipping.

25 OCT 1947



Port OF GENOA.

21st September, 1947.

This is to Certify that

F. SULLIGOI AND M. BONIVENTO

the undersigned Surveyor to this Society did at the request of Messrs. Thomas L. Carr & Son, Lloyd's Agent at this Port, attend on board the Twin Screw Motor Tanker "ARISTE", 5069 tons gross, of Roma, whilst afloat and in Gracie Dry-Dock on the 27th May 1947 and subsequently, in order to ascertain the nature and extent of the damage, stated to have been sustained through touching the bottom on the Gironde river bar, on the 20th April 1947, during heavy weather, in consequence of alleged steering engine damage, whilst on voyage from Pauillac to Le Havre, full loaded.

For further particulars please see Log Book.

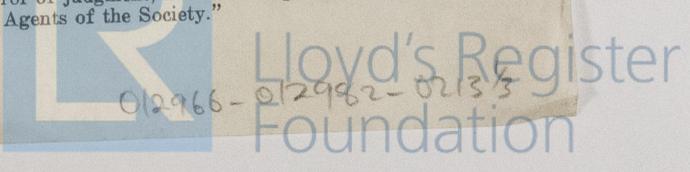
Upon examination, it was found that a number of bottom rivets in way of lubricating oil tank were more or less slack and leaking. On the main engines, two cylinder covers and one cylinder jacket were found cracked. The crankshafts pins and journals bearings of port and starboard main engines were found very badly scored and fused. The main and auxiliary air coolers and the main bearings circulating conduits were found blocked up by sand.

In details the following damage was found and the accompanying recommendation made:

<u>FOUND.</u>	<u>HULL</u>	<u>RECOMMENDED.</u>
About 40 bottom rivets in way of lubricating oil tank and double bottom tanks aft, slack and leaking.		Rivets to be caulked or welded and tightened up.

F.T.O.

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:—  
"While the Committees of the Society use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Society nor any Member of any of its Committees is under any circumstances whatever to be held responsible 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 error of judgment, default or negligence of any of its Committees or any Member thereof, or the Surveyors, or other Officers or Agents of the Society."



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M.T. "ARIETE".

## MACHINERY.

### FOUND.

All crankshafts journals and pins bearings on the port and starboard main engines, badly scored and fused and pins and journals slightly scored.

Port and starboard compressor journals and pins bearings badly scored.

No. 3 intermediate shaft bearings on port side and No. 3 on starboard side, scored.

Two cylinder covers of starboard main engine, No. 1 and No. 2, fractured from holes of fuel valve for about 3".

Cylinder jacket No. 1 of starboard main engine, longitudinally fractured.

Twelve main and auxiliary compressors air cooler found damaged by heat, leaking and sand choked.

Main bearings circulating pipes blocked up by sand.

No. 4 main engines circulating pumps road, scored.

No. 1 <sup>oil</sup> cooler, damaged by heat, leaking and sand choked.

Port and starboard screw shafts, drawn in and white metal bushes found slightly scored.

Cederval box on port side, found some ribs fractured, 3 springs broken, and the outside nuts broken.

Telemotor piston rods, scored.

Bronze gear of differential valve of steering engine, broken.

No. 2 bronze brasses of steering engine main shaft badly scored.

### RECOMMENDED.

Crankshafts to be lifted, journals and pins bearings white metal to be renewed, pins and journals to be skimmed up, coupling bolts to be renewed as necessary and shafts afterwards to be lined up.

Journals and pins bearings white metal to be renewed.

Shaft bottom bearings white metal to be renewed.

Two cylinder covers to be renewed.

Cylinder jacket to be renewed.

Air coolers to be opened up, overhauled, cleaned and tested.

Holes to be drilled in the main bearings casings, circulating chamber to be cleaned and holes plugged up.

Circulating pumps to be opened up and overhauled.

Oil cooler to be opened up, overhauled, cleaned and tested.

White metal to be skimmed up.

Cederval box to be repaired and springs and nuts to be renewed.

Piston rod to be machined up and telemotor to be overhauled.

Gear to be renewed.

Brasses to be renewed.

To enable the above repairs to be effected, it was also necessary to carry out the following additional works:

Main engines covers, pistons and rods, all circulating pipes, collectors and telescope with casings, all eccentric shaves of air and exhaust distribution

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M.T. "ARIETE".

valves, removed, examined and refitted.

About 6400 Kgs. emulsionated lubricating oil contained in the lubricating oil tank, taken off, tank cleaned out and new oil supplied.

Engines and engine room, cleaned out and repainted.

All the above repairs have now been satisfactorily carried out by Messrs. Motomeccanica Generale Navale of Genoa, from the 10th of June to the 20th of September 1947, in collaboration with workers directly engaged by the Owners and part of the crew.

All work done was previously discussed with the repairers in conjunction with the Owner's Representative and the cost of same agreed upon as being fair and reasonable, without prejudice to the terms of the Policies of Insurance and to the liability of the various parties concerned, as per following accounts:

Messrs. MOTOMECCANICA GENERALE NAVALE

Invoice No. 135/47, Dated Genoa 22.9.1947.

For ship and machinery repairs .....	Lire	21.225.590,65 "
Expenses for workers engaged by the Owner for machinery repairs .....	"	1.761.944,70
Various material, packing, lubricating oil etc.....	"	1.156.710,00

Messrs. ENTE BACINI.

Invoice No. 481/87 G. dated Genoa, 31.7.47.

Dry-docking expenses.....	"	233.679,50 "
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Messrs. CONSORZIO AUTONOMO DEL PORTO.

Genoa, 22.7.1947.

Survey Fees .....	"	3.090,00
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ISTITUTO CHIMICO DELL'UNIVERSITA'.

Genoa, 19.8.1947.

Gas free Certificate.....	"	15.450,00
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Messrs. PIERO GREGORI.

Invoice No. 1162, dated Genoa 25.8.1947

For Telemotor .....	"	37.036,00
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TOTAL LIRE ..... 25.433.500,85

Surveyors to Lloyd's Register of Shipping.

Fees & Expenses Lit. 161.607.=

FEE	-	LIT. 148.000	} 2021 23/9/47
CAR FUND	-	4.440	
OFF. EXPS.	-	4.460	
REVENUE TAX	-	4.707	