

Ship's Name ~~SS/MS~~ "SIDERÚRGICA TRÊS"

Gross tons 2894

Is there a rpt. 9? Yes Port Rio de Janeiro Rpt. No. 9509

No. of visits 7 First date 1.11.63 Last date 9.1.64

Interim Cert. issued & copy herewith? Yes Damage rpt. issued & copy herewith? Yes Last rpt. (H.Q. only)

Date of completing rpt. 6.4.64 Surveyed at, if different from Port above -

Surveyed afloat and/or in D.D. Both Last date of examination in D.D. 11.12.63

Has a Load Line Survey been held? No Freeboard Marks verified Yes

State which additional Rpt. 8 is attached: (Cont); (PS); (DR); (EQ); (Rig)

Survey fees 60.000,00 Damage fee 100.000,00 Expenses 1.500,00

S.A. fee

action taken or recommended should be described fully under "defects & repairs". When any part has been subjected to pressure, test this should be stated.

date of the next Special Survey. Where repairs have been effected or it is considered that re-examination or repairs should be made before that date the circumstances and

The condition of any item is to be described as "good" only when it has been examined, found or placed in good condition and is considered to be acceptable until the date

I have surveyed the above ship in accordance with the Rules for DAMAGE and DOCKING.

Damage (1) stated to have been caused by grounding in the Bay of Garopaba on the 16th October, 1963 whilst on loaded voyage from Imbituba to Rio de Janeiro.

Damage (2) cause and date stated unknown.

The items now surveyed are detailed on this report. All were found or placed in good condition unless otherwise stated.

Now done for damage: Damage (1) - Bottom shell plating. Keel plates Nos. 3 & 8 from forward found indented between frames - renewed at this time. Keel plate No 12 from forward found indented locally in way of port side landing - released, heated and faired in place after removal of adjacent plate A.13.

Port side shell - Shell plate A.2 from forward found sharply indented and torn locally - renewed at this time. Shell plates A.4 and A.5 from forward found indented between frames at after and forward end respectively - cropped and part renewed at this time with common plate with welded butts at mid-length of plates A.4 and A.5. Shell plates A.12 and 13 and B.3 & B.10 from forward found indented between frames - all these plates renewed at this time. A large number of scrubbed rivets in keel, A,B and C strakes (port side aft) renewed at this time.

Starboard side shell - Shell plate A.3 from forward found sharply indented and torn at forward end - cropped and part renewed at this time. Shell plates B.3 and C.2 from forward found indented between frames - renewed at this time.

I recommend that this ship remain as classed with/without fresh record of dry docking 12.63 subject to indented shell plates F.11 & 12, G.12 & H.12 (s.s.aft) etc., being examined and dealt with as necessary at the next Special Survey also to all other conditions at present attached to the ship's class being dealt with as previously recommended.



R. Stuart Leishman

R. Stuart Leishman, Surveyor to Lloyd's Register of Shipping

(Where conditions of class are recommended to be retained, imposed, amended or deleted, particulars must be stated above and on the interim certificate.)

Date of Committee

Minute

TUESDAY 15 SEP 1964

DS 12. 63 Subject (1 km) TS 12. 63

ALSO FOR

SPL FOR

TRO

SRL

POSTING

HEADER

CERT

5 floors in double bottom in way of shell plates A.4/5 (p.s) found buckled - floors heated and faired in place and 4 bottom frames in way removed, faired and refitted.

Damage (1) - now done on account of refloating operations. Wood sterntube bush found worn down excessively and gland packing - wood bushing and gland packing renewed at this time after withdrawal of screwshaft.

After shaft bearing next to sterntube gland found with bottom half scored and wiped - remetalled at this time. Welded fairing plates on rudder post found with welding fractured in several places - rudder lifted for access, and welding cut out and rewelded as necessary at this time. Main and auxiliary condensers and main S.W. circulating pump opened up for survey at this time but no damage found.

Damage (2) - Starboard side shell plate E.9 from forward found sharply indented in way of coal bunker and three frames in way buckled - shell plate E.9 cropped and part renewed 1^m200 x 2^m050 x 1/2" and three frames in way heated and faired in place.

Wear and Tear Repairs: Shell plates D.1 and D.2 from forward (s.s) and D.1 and B.1 from forward (p.s) renewed at this time on account of wastage and keel plate No1 from aft doubled with welded shoe plate on account of corrosion.

7 frame heel brackets in No 2 Hold (p.s.a) renewed at this time on account of wastage.

Bulwarks on Upper deck extensively renewed at this time on account of wastage.

Rudder gudgeons rebushed at this time on account of slack & worn bushes.

A large number of bottom shell rivets and sight edges of seams of bottom plating overhauled by caulking.

Deferred Damage Repairs: Starboard side shell plates F.11 aft end and F.12 forward end (from forward) set in and indented, G.12 from forward set in and indented over forward half with 4 frames in way and sheerstrake plate H.12 from forward found indented between frames. The Owner requested that repairs to this damage might be deferred until the next Special Survey and it is submitted that this item be inserted in the S.R.L. Rivets in way of this damage overhauled by caulking at this time and considered to remain efficient meantime.

PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC. The reason for repairs must be stated and repairs on account of damage, the alleged cause of which must be given, should be detailed separately from wear and tear repairs and, besides being detailed above, should be noted in the following summary. *State what action has been taken regarding items which are subjects of class or in SRL Appendix, whether outstanding or new.* Any alterations in existing particulars in the Register Book should also be reported above.

SUMMARY OF DAMAGE REPAIRS	SHELL PLATES	FRAMES	DECK PLATES	BEAMS	OTHER ITEMS
Renewed	9 and 4 part				
Removed and faired or replaced		4			
Faired or repaired in place		3			5 floors



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Rpt. 8 (P.S.) DRY CARGO SHIP

Ship's Name SS/~~XX~~ "SIDERURGICA TRES"

DOCKING & DAMAGE

S.S. () Due

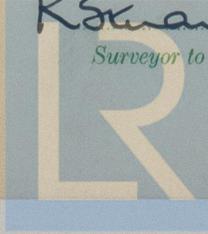
Port Rio de Janeiro Rpt. No. 9509

	<u>Examined & condition</u>		<u>Examined & condition</u>
In dry dock from	1.11.63	* Air & sounding pipes	Not exd.
" " " to	11.12.63	Doublers under " "	Not exd.
Shell plating	Good	Steering arrangements (main)	Good
Sternframe	Good	" " (aux)	Not exd.
Rudder	Good	Windlass	Not exd.
Was rudder lifted?	Yes	Masts & rigging	Not exd.
Plating, etc. in way of shell openings	Good	Hand pumps & suction	Not exd.
Side scuttles & deadlights	Not exd.	W.T. doors	Not exd.
Overbd. scuppers & discharges	Not exd.	Bulwarks, freeing ports, etc.	Good
F.P. spaces	Good	Summer freeboard as verified	Not verified
Chain locker	Not exd.		
A.P. spaces	Not exd.		
Engine space	Not exd.		
Boiler space	Not exd.	<u>EQUIPMENT:</u>	Not exd.
Under E. & B.	Not exd.	Equipment letter	
Coal bunker	(s.s) Good	Fee ltr., if diff. from eqpt. ltr.	
Tunnel & well	Not exd.	Anchors: No. on board	
Cement, asphalt, etc., on btm. shell	Not exd.	State if ranged	
Weather decks	Good	Length on board	
* Casings	Good	Mean dias. range from	to
* Deckhouses	Good	Rule length	Dia.
* Superstructures	Good	Mooring ropes	
* Skylights	Not exd.		
* Companionways	Good		
* Hatchways	Good		
* Ventilators	Not exd.		

Other items:

* These items to include their closing appliances
Where a part Special Survey and, say, Dry Docking Survey are held at the same time, the items for SS should be marked "For SS"

R. S. Markleish
Surveyor to Lloyd's Register of Shipping



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01/2/2

HOLDS & 'TWEEN DECKS:		Examined & condition	TANKS:	Examined & condition	Tested & condition
No. 1	Hold	Not exd.	F.P. tank	Not exd.	Good
"	'Tween decks	" "	A.P. tank	" "	Good
			D.B. tanks & c/dams	" "	All - Good
No. 2	Hold	" "			
"	'Tween decks	" "			
No. 3	Hold	" "	O.F. bunkers	" "	
"	'Tween decks	" "			
			Settling tanks	" "	
No. 4	Hold	" "			
"	'Tween decks	" "			
			Deep tanks	" "	
No. 5	Hold	" "			
"	'Tween decks	" "	Side tanks	" "	
No. 6	Hold	" "	Wing tanks	" "	
"	'Tween decks	" "			
			Other tanks:	" "	
	Cargo battens	" "			
	Ceiling, etc.	" "			



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