

No. 48997

2- APR 1949

ting Report 19 When handed in at Local Office 19 Port of NEW YORK, NY.

thickness Survey held at BROOKLYN, NY. Date, First Survey 9TH SEPT 48 Last Survey 7TH JAN 1949

on the TS. MV. LINDA EX LST 200 (Number of Visits.....) Gross ☒
Tons Net ☒

Tanks SENeca 1LL By whom built CHICAGO BRIDGE + IRON WORKS Yard No. 4 When built 1943-2
ELECTRO MOTIVE CORP DIVISION OF PN 426

Space made at LA GRANGE ILL By whom made GENERAL MOTORS CORP. Engine No 5. N 473 When made 1943-1

made at SHELL CARIBBEAN PETROLEUM CO By whom made CLEAVER BROOKS CO. Boiler No. 11000 When made 1911
Port belonging to MARACAIBO.

ONTAL DONKEY.
GAL BOILER.

11. Waukegan, Wis. By whom made. CLEAVER-BROOKS Co. Boiler No. 0-846 When made. 1942 Where fixed. AUXILIARY ENGINE ROOM

ating Surface of Boiler. 300. SQ. FT. Is forced draught fitted YES Coal or Oil fired OIL

Description of Boilers	ONE CYLINDRICAL BOILER WITH ONE PLAIN FURNACE TUBE	Working Pressure	35 LBS
Hydraulic pressure to	100 LBS + 150 LBS	Date of test	8-6-42 + 16-12-48
		No. of Certificate	U.S. NAVY

fire grate in each Boiler ☒ No. and description of safety valves to each boiler TWO: SIMPLEX 2" DIA. CONSOLIDATED (1451)

each set of valves per boiler { per Rule..... Pressure to which they are adjusted..... LBS Are they fitted with easing gear YES
as fitted..... 6.28 1/2

whether steam from main boilers can enter the donkey boiler..... ✓..... Smallest distance between boiler or uptake and bunkers.....

work 10 FT Is oil fuel carried in the double bottom under boiler No Smallest distance between base of boiler and tank top plating 48" LENGTH 8'0"

Is the base of the boiler insulated. YES Largest internal dia. of boiler 78 Height 5'16"
Material D.H. STEEL Tensile strength 24.5 Thickness 5/16"

shell plates welded or flanged..... If fusion welded, state name of welding firm.....

ms. DOUBLE Dia. of rivet holes in { circ. seams $1\frac{3}{16}$ " Pitch of rivets { $4\frac{1}{2}$ " Percentage of strength of circ. seams { plate ✓
rivets ✓

itudinal joint { plate.....✓
rivets.....✓

Thickness of butt straps { outer..... 9/32"
9/32"

Shell Crown: Whether complete hemisphere, dished partial

combined ✓
al, or flat ✓ Material ✓ Tensile strength ✓ Thickness ✓

✓ Description of Furnace: Plain, spherical, or dished crown. PLAIN Material SEAMLESS STEEL

strength..... Thickness..... 10..... External diameter..... 4..... Length as per rule.....
 of support stays circumferentially..... NONE..... and vertically..... ✓..... Are stays fitted with nuts or riveted over..... ✓

Number of stays over thread..... Radius of spherical or dished furnace crown.....

Question Chamber: Material ☒ Tensile strength ☒ Thickness of top plate ☒

if dished ✓ Thickness of back plate ✓ Diameter if circular ✓
as per Rule ✓ Pitch of stays ✓

Stays fitted with nuts or riveted over. ✓ Diameter of stays over thread. ✓

Plates: Material { front... OHS back... Tensile strength { - Thickness { 7/16" Mean pitch of stay tubes in nests. ✓

Surrounding shell diameter. 8 1/2" Pitch in outer vertical rows { ✓ Dia. of tube holes FRONT { stay... ✓ 3 1/2" BACK { stay... ✓ 3 1/2"

alternating shell, abd. as per rule { back. ✓ Turn in outer vertical rows { ✓ Dist. of tube rows = 1500 plain. & 155 plain. & 155
 alternat tube in outer vertical rows a stay tube. No plain. & 155 plain. & 155

rs to Combustion Chamber Tops: Material..... Tensile strength.....
and thickness of girder at centre..... Length as per Rule.....

ice apart. ✓ No. and pitch of stays in each. ✓ Lloyd's Reg

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Crown Stays: Material ☒ Tensile strength ☒ Diameter { at body of stay ☒ or over threads ☒

No. of threads per inch ☒ **Screw Stays:** Material ☒ Tensile strength ☒

Diameter { at turned off part ☒ or over threads ☒ **No. of threads per inch** ☒ **Are the stays drilled at the outer ends** ☒

Tubes: Material SEAMLESS STEEL **External diameter** { plain 2" stay ☒ **Thickness** { 13 GA

No. of threads per inch ☒ **Pitch of tubes** HORIZONTAL 4 1/2" TO 2 3/4"; VERTICALLY 5 1/2" TO

Manhole Compensation: Size of opening in shell plate 3 1/4" x 4 1/2" **Section of compensating ring** NONE **No. of rivets** at

of rivet holes ☒ **Outer row rivet pitch at ends** ☒ **Depth of flange if manhole flanged** ☒

Uptake: External diameter 12" DIA **Thickness of uptake plate** 3/16"

Cross Tubes: No. ☒ **External diameters** { ☒ **Thickness of plates** ☒

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with ☒

The foregoing is a correct description

Dates of Survey while building { During progress of work in shops - - ☒ During erection on board vessel - - - ☒

Is the approved plan of boiler forwarded herewith ☒ (If not state date of approval.)

Total No. of visits ☒

Is this Boiler a duplicate of a previous case YES If so, state Vessel's name and Report No. M.V. LUISA RPT N°

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

The Donkey Boiler described herein is for gaspiping purposes & is the heating boiler originally fitted in this vessel. The boiler has been relocated in the Auxiliary Engine room directly above the main engine. The boiler has been built to conform with the A.S.M.E. Code not less than 100 P.S.I. with a test pressure of 150 P.S.I. & to the U.S.G. approval drawing 22 Feb 1940. has now been installed on board complete with the original automatic firing & feed water controls to maintain working pressure of 35 P.S.I. the safety valves have been adjusted under pressure to 50 P.S.I.

The materials & workmanship are considered satisfactory. We are of the opinion that this boiler is eligible to be classed with this Society & it is recommended that the record of D.B.S. 12-48 be favourably considered by the Committee.

Survey Fee ... £ : ☒ : When applied for 19

Travelling Expenses (if any) £ : ☒ : When received 19

J. Bloomfield for M. S. Keller & Co.
 Engineer Surveyor to Lloyd's Register of Shipping

Date NEW YORK MAR 16 1949

Committee's Minute 1 D.B. (17 lbs)



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