

Brooke Marine Ltd - yard no 243 - M.V. MUKSON.
Attach to Ipswich Rpt no 133835.

REPORT ON BOILERS.

No. 34131

Received at London Office 7 SEP 1955

Date of writing Report 3.9.55 When handed in at Local Office 5.9.55 Port of Glasgow

No. in Survey held at Annan Date, First Survey 31st Dec. 1954 Last Survey 1st September 1955
(Number of Visits 42)

Reg. Book 78903 on the Motor Trawler MUKSON Ship Yard No. 243 When built 1956

Built at Lowestoft By whom built Brooke Marine Ltd. Boiler No. 20607 When made 1955

Boilers made at Annan By whom made Cochran & Co. Annan, Ltd. Port belonging to Humauk

Owners V/Sudimport

VERTICAL DONKEY BOILER— No. one Description multitubular Manufacturers of steel Colvilles Ltd.
Bottom engine room platform

Made at Annan By whom made Cochran & Co. Annan, Ltd. When made 1955 Where fixed 5.5 forward Working pressure 100 lb.

tested by hydraulic pressure to 200 Date of test 1.9.55. No. of Certificate 24509 Total heating surface of boilers 400 sq. ft Area of firegrate in each boiler 0. F. No. and description of safety valves on each boiler 2 Area of each set of valves per boiler 6.28 sq. in. Pressure to which they are adjusted 100 psi If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler None Diameter of boiler 6'-0"

Length 11'-9" Material of shell plates steel Thickness 7/16, 17/32" Range of tensile strength 28-32 Description of riveting long seams D.R. Lap Diameter of rivet holes 25/32" Whether punched or drilled drilled Pitch of rivets 2.71, 2.69, 2.67 Lap of plating 3 1/2" Thickness of shell crown plates 21/32" Radius of do. 6'-0" No. of stays to do. nil Diameter of stays - Diameter of furnace—Top - Bottom 5'-0" Length of furnace - Thickness of furnace side plates 1/2" Description of joint seamless Thickness of Ogee ring 27/32" Thickness of furnace crown plates 1/2" Radius of do. 2'-6" Stayed by hemisphere Diameter of uptake 13 1/2" x 21 1/2" Thickness of uptake plates 1/2" Thickness of tube plates 25/32" Mean pitch of stay tubes in nest as appvd. front 15/16" back 25/32"

Pitch in outer vertical rows 5.91" Diameter of tube holes FRONT 2.3/16" BACK 2.1/16" Tubes: Material steel
stay 11/32" plain 10 LSG No. of threads per inch 9 Pitch of Tubes 3.089" x 2.955

External diameter 2" Thickness 10 LSG

Manhole compensation; Size of opening in shell plate 16" x 21 1/2" Section of compensating ring 5.15/32" x 1" No. of rivets and diameter of rivet holes 40 of 25/32" Outer row pitch at ends 3.89"

For COCHRAN & CO. ANNAN, LTD.
The foregoing is a correct description,
(Signature)
Technical Sales Manager Manufacturer.

Dates of Survey while building

During progress of work in shops	1954. 6.25. 21. 28. 4.00. 5.11. 14. 26. Dec. 2. 9. 16. 30. 1955. Jan. 6. 14. 20. 27. Feb. 1. 10. 17. 24. Mar. 3. 10. 17. 24. 31. Apr. 7. 14. 21. 28. May 5. 12. 17. 26. June 3. 16.	Drawing No. 40717A
	24. 30. July 4. 14. Aug. 3. 11. 18. 24. Sep. 1.	

During erection on board vessel - -

Total No. of visits 42

Is the approved plan of boiler forwarded herewith Sent to London

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been constructed under special Survey in accordance with the Society's Rules and approved plans.
The materials and workmanship are good.

This boiler has now been installed in the Motor Trawler "Mukson", Brooke Marine's yard no 243. The boiler has been examined under steam and the safety valves adjusted to 100 psf. The oil fuel burning and steam smothering arrangements were examined and tested under working conditions and found satisfactory.

(Signature)
Lowestoft 29/9/56

Survey Fee ... £ 10 : - : - } When applied for 19

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

Committee's Minute Assigned Defered for completion

GLASGOW 6 SEP 1955

Engineer Surveyor to Lloyd's Register of Shipping.
FRIDAY 28 SEP 1956
Lloyd's Register Foundation

The Surveyors are requested not to write on or below the space for Committee's Minute.