

DUPLICATE.

Telephone No. Central, 2624, Manchester (7 lines).

Address: Manchester.

# National Boiler and General Insurance Company Limited,

OFFICES: NATIONAL BUILDINGS, ST. MARY'S PARSONAGE, MANCHESTER.

## REPORT OF INTERNAL AND EXTERNAL EXAMINATION OF STEAM BOILER.

Address: **Messrs. J. P. Knight Ltd., Rochester, Kent.**  
Boiler: **At the works of Messrs. R. & H. Green & Silley Weir Ltd., Blackwall Yard, London, E.14.**

Distinctive number of Boiler: **MARINE BOILER OF STEAM TUG KEVERNE.**

Hydraulic test (if any) and applied: **1930 to 190 lbs per square inch.**

Parts (if any) were inaccessible? **Exterior under covering and supports. Interior in narrow water spaces.**

### INTERNAL AND EXTERNAL WITH HAMMER TEST.

External: **The outer edge of the mudhole cover is a little pitted and wasted. The back plates of the combustion chambers are slightly distorted between some of the stays, and leakage has been occurring past three stays in the back of the starboard combustion chamber. There has also been leakage past the ends of fifteen tubes in the port combustion chamber and eighteen in the starboard combustion chamber. The furnaces and combustion chambers are generally a little wasted in places.**

Internal: **The bottom of the shell and the inner sides of the combustion chamber bottoms are a little wasted. The left side of the port combustion chamber is a little grooved round some of the screwed stays.**

Proper mountings, including safety water gauge, and steam gauge? **Yes.**

Mountings properly maintained and working order? **In order at rest.**

Water gauges adequately protected and instructed as to be equally safe to be employed whether protected or not? **Yes.**

(If any) required, and period within which they should be executed. **Prevent the leakage past the tube ends and past the three leaky stays.**

Permissible working pressure under any conditions stated under (3) or (5) "Other Observations" or (6). **150 lbs per square inch.**

Observations—  
*done at Green & Silley Blackwall Yard*  
**We understand the above repairs were to have immediate attention, and when completed the boiler will be suitable for service. The remaining defects mentioned are not important at present.**

Certify that on **19th June 1931** is a true report of the result.  
Signature: *Thos W. Smith*  
Inspecting Engineer.

I examined the Boiler(s) above described and that the  
Counter-signature: *Edward Miller*  
Chief Engineer.  
Date: **1st July 1931.**

W1208-0256  
General boiler foundation