

(Quadruple)

CONSTRUCTION

Roskilde built ERIKSBERGS M. V. AKTIEB.

Yard No. 2

No. 21 - for estimate purposes

No. 21 - present exchange rate

19/6/27

E. Dept.

? dec Lt- fees charges in
this case.

See corres. T. E. M.
or Johnfjell attached

W1189-0096

Scavenging Air Pumps, No.

One

Diameter

Stroke

Thickness of shell

points of some rivets in the longitudinal shell seams. Further investigation showed slight cracks of the outer buttstrap and on removal of the outer strap, the faying surfaces of the strap and shell plate were found to be seriously cracked.

I have, therefore, to inform you that in any case which comes to your notice where unusual leakage or broken rivets are found in boiler shells, you should bear in mind that, although the case may not be one of serious import, the defects may be possible evidence of a serious condition and should therefore be fully investigated,

On removal of any broken or cracked rivets, the plating in way of the holes must be very carefully examined for minute cracks, and if these are found, you are to report the matter at once to this Office and forward for investigation, some of the broken rivet points or heads, together with a sample (at least 2 litres) of the boiler water and samples of the soda and boiler fluids used.

In the heating surfaces when broken rivet points and cracking of plating from hole to hole occur, the defects are probably due to caustic embrittlement. Such cases should also be at once reported and if considered necessary you will be requested to forward samples of the affected material for further investigation.

So far, existing knowledge of the subject is somewhat indefinite, but it is contended that the destructive agent may be sodium silicate which is found in some boiler fluids and in commercial carbonate of soda.

I am, Dear Sir(s),

Yours faithfully,

Malcolm H. Scott
Secretary.