



Technical Bulletin

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Subject: 913 Exhaust Conditioner (Scrubber)

Purpose

To inform the industry of an event that occurred where the low water shut down test of 913 has failed.

Applicable to

All Eimco 913's fitted with MDA DES 15010 Scrubber (dual float)

Description

Sandvik has recently been made aware of a reportable incident where an engine failed to shut down during a routine low water shutdown test.

The cause of the failure may be attributed to the transfer of exhaust gas into the float chamber volume via gap between plates separating the main exhaust flow and float sections.

The remedy to the problem is for this gap to be sealed by continuous welding. For the incident in question, the shutdown failure was demonstrated on 2 Scrubber units and while another unit with a continuous weld operated without fault.

Recommendations

All users are must continue to conduct a low water shutdown tests inline with Sandvik's maintenance recommendations and AS3584 Part 3 Code A inspections of all Eimco 913's fitted with the subject MDA DES 15010 dual float Scrubber.

Any low water shut down test failures should be reported immediately and the subject machine tagged "Out of Service".

With the machine isolated, the float chamber access port should be removed and inspection of the welded area should be made to confirm any gas passage into the float chamber (ref photo).

Regardless of wether failure was observed or not, at the next major overhaul, significant repair work or Code D, the access port should be removed and the subject part of the Scrubber system should be inspected for the beginnings of corrosion or discontinuities in welding that could lead to exhaust entering the float chamber.

Feedback

Any feedback on this technical bulletin should be directed to Ryan Jones (ryan.jones@sandvik.com)

If you require a Sandvik service technician to assist mine site technicians in testing and inspections of the exhaust conditioner, please contact your Sandvik Field Service rep.



Photo – Showing weld discontinuities.