

# ENGINEERING BULLETIN

Ref Document No.	EB15014	Issue No.	1
Subject	Float Sensor Magnet Coating		
Release Date	28/07/15		
Associated Bulletins	N/A		

## Purpose

To advise COALTRAM® owners of Improved longevity of the electronic hardware within float position sensors.

## Applicability

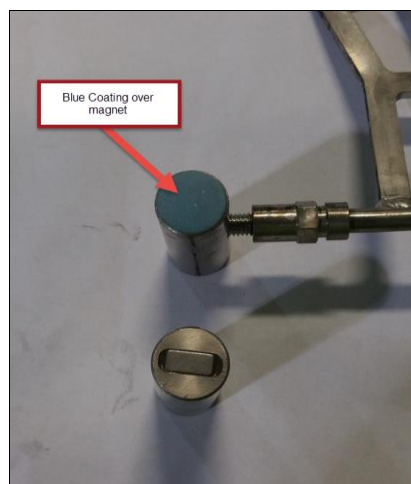
COALTRAM® models CT08, CT10, CT10LP & CT13

## Background

The scrubber float sensor shaft recently had an Engineering change which involved coating the end of shaft magnet to prevent corrosion. The harsh conditions of the scrubber has been causing the magnet to corrode and expand. The expansion could cause binding between the magnet and Teflon bush resulting in "scrubber Held" shutdowns.

The coating of the magnet with a non-reactive material will reduce the likelihood and instances of "Scrubber Held" trips.

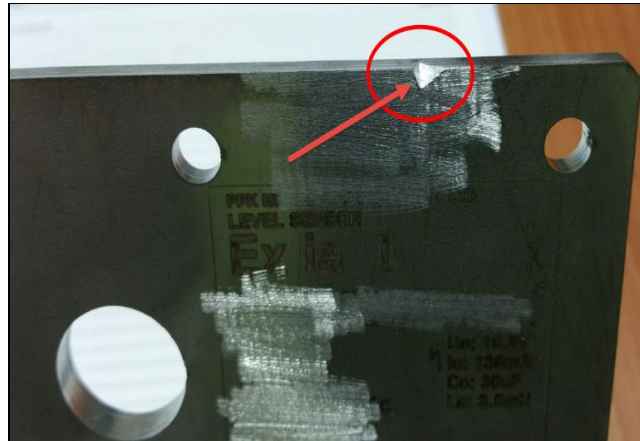
Figure 1: Coated end of shaft magnets.



As part of the monitoring of this change, Monex production keeps a register of all serial numbers (new or overhauled units) where this change has been implemented.

Additional to the register a recent request from one of our customers was to physically mark the float to easily identify that the change has been applied. A V-shaped marking on the top right hand edge near the serial number has been implemented. See Fig. 2.

Figure 2 : V-Shaped Notch



Please note: The V-shaped marking has just been implemented whereas the coated magnet change has been implemented for some time now.

There is the situation where floats have coated magnets but are not marked.

If at any time you wish to check whether a float has had the change please Contact PPK with your float serial number.

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