



Guide to QMI Systems Services & Upgrades

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QMI have been receiving some feed back from customers with old systems that are starting to need repairs and maintenance. In this document we will be talking about systems ranging from a few years old to really old systems that are 20 years plus.

Why such a scope? Some of the issue being reported are to do with bad maintenance which we will cover this as if your running a engine system and your engine is running but reading zero oil mist you have an issue with maintenance procedure. QMI is here to help you over come these issues.

In this document we help you identify your system and let you know about our upgrades program so your current systems can be upgraded to our latest versions of processors and power units and also be set up for future support and upgrades.

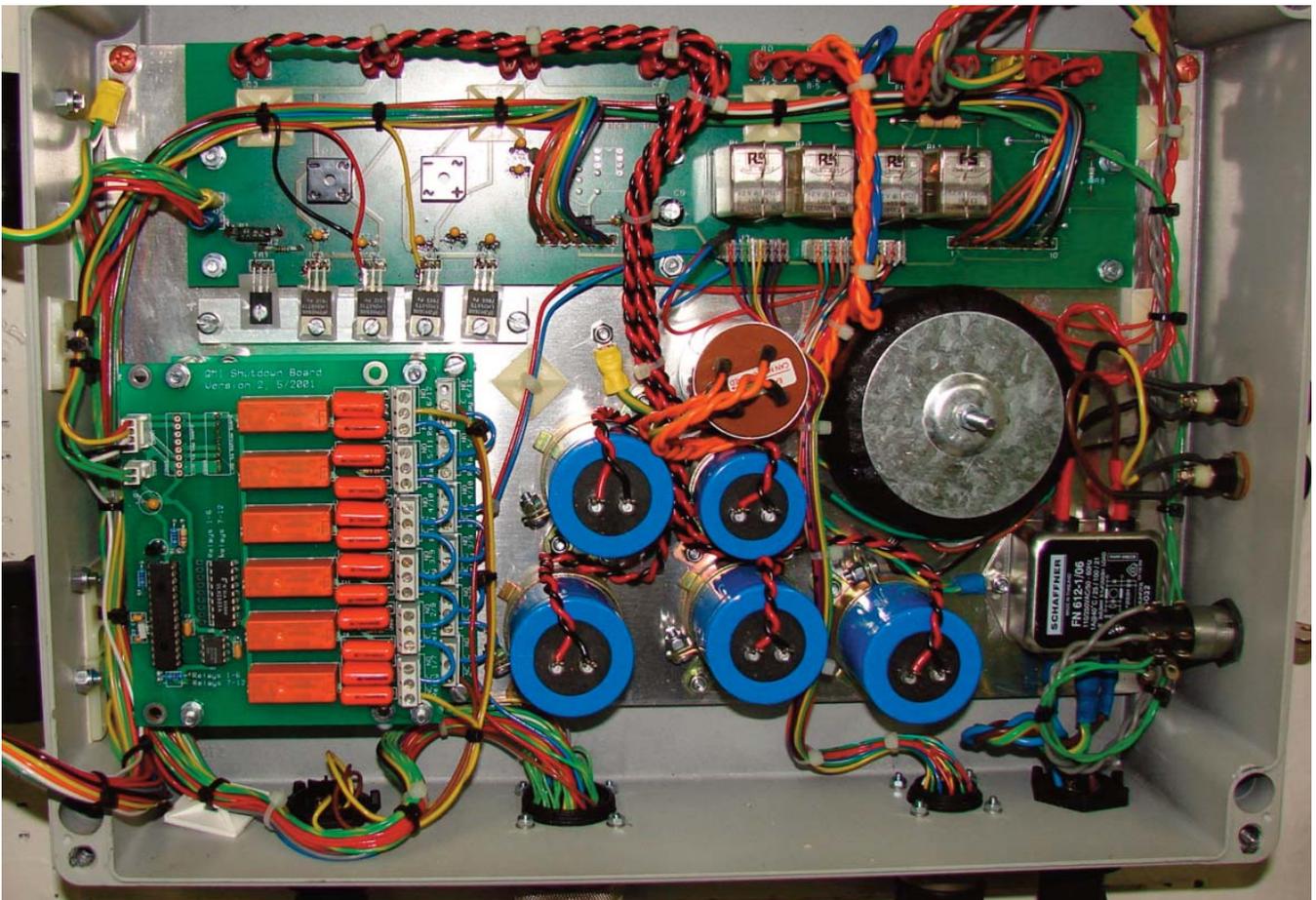
Identifying your Power Relay Board:-

We have had various versions of our system processors and power supplies and all our detectors work with these but, as components and technologies have advanced, so has QMI. Though the surface of our system monitor might look the same, the insides are very different.

All of our systems can be upgraded, and most will use the original wiring so we will only require you to send back the monitor for the upgrade. Once upgraded will be a plug in and work install.

There are 3 styles of Monitor Power relay boards:

Style 1: Monitor Power Relay Board Internals:



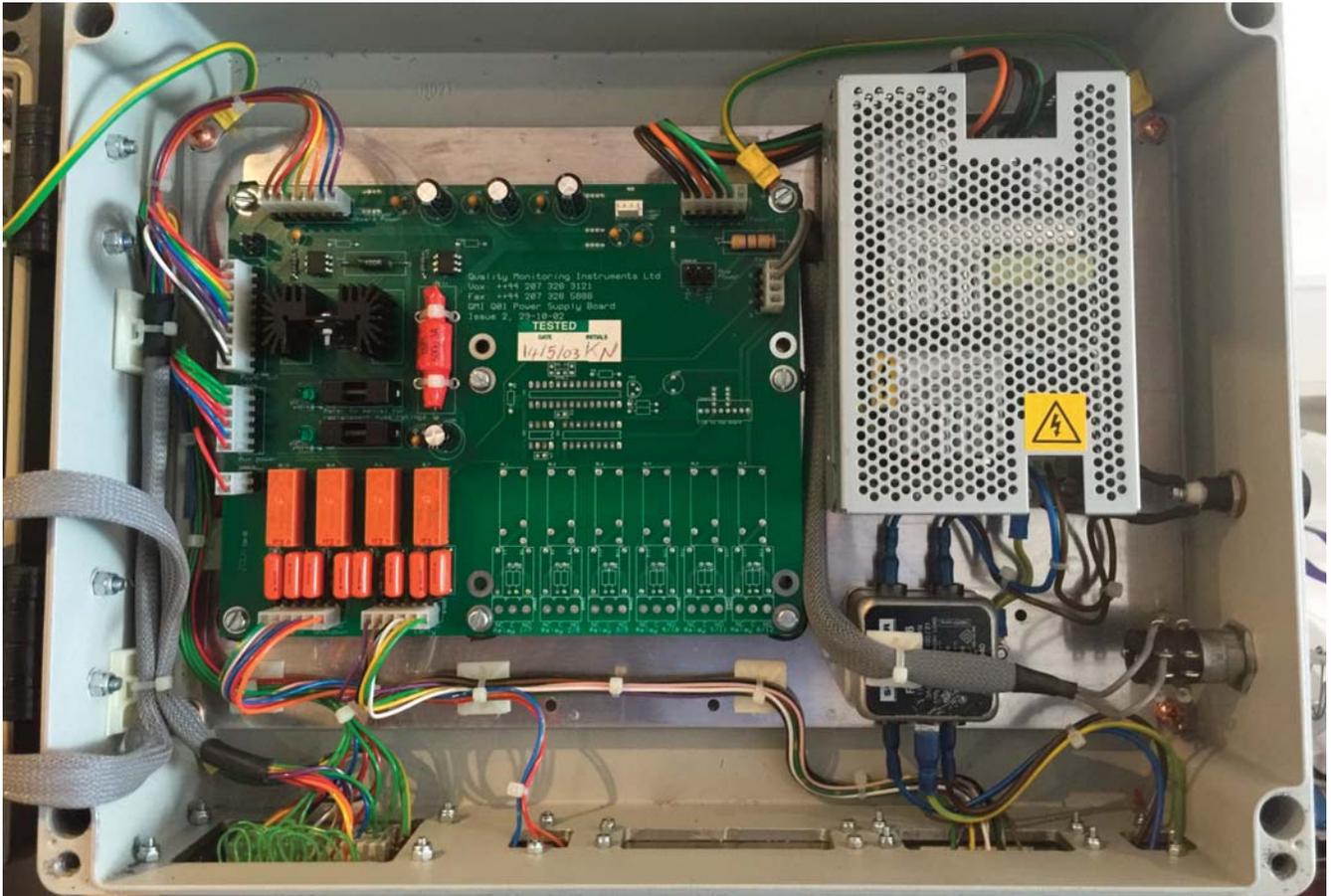
Thoroidal Power Supply. This was used for several different variations of the Multiplex from the earliest models that have 12 plugs installed into the bottom of the panel and no Junction Box up to the Harting Connectors. The image above shows a Monitor PCB with Individual Shutdown 2 x 6. This image maybe different on earlier versions PCB all will have the large capacitors on the PCB

This board is no longer supportable and we recommend upgrading the Monitor at the next available dry dock or maintenance period.

Book it with us in advance so we can make sure it can be upgraded during the vessels down period. Please state the Vessel Name, Serial Number of the Monitor and if it has optional extras like Individual Shutdown or Data Logger.

Your Monitor will have new internals, new Power Supply and Relay Board with the latest version of MP12 front panel processor board.

Style 2: Monitor Power Relay Board Internals:



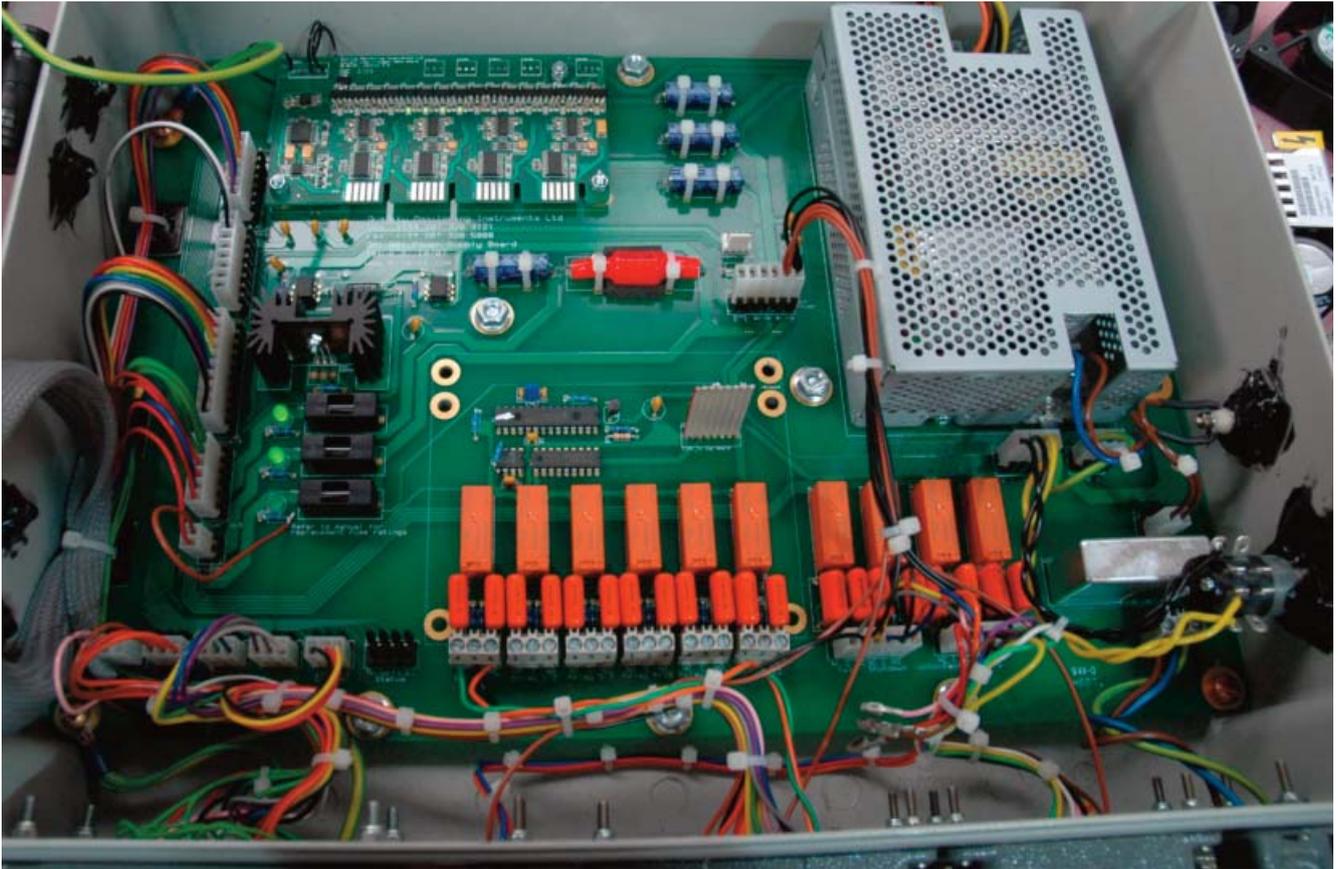
This is the second version of Relay Board and Power Supply with solid state relays separate power supply bolted to an aluminium plate. This board will only come with Harting Connectors unless up-graded from previous state.

This board is no longer being manufactured but it can be repaired in some cases. We would suggest upgrading to latest versions to keep your equipment supportable.

QMI recommends upgrading this Monitor at the next available dry dock or maintenance period.

Book it with us in advance so that we can make sure it can be upgraded in the vessels down period. Please state the vessels Name, Serial Number and if it has optional extras like Individual Shutdown or Data Logger.

Style 3: Monitor Power Relay Board Internals:

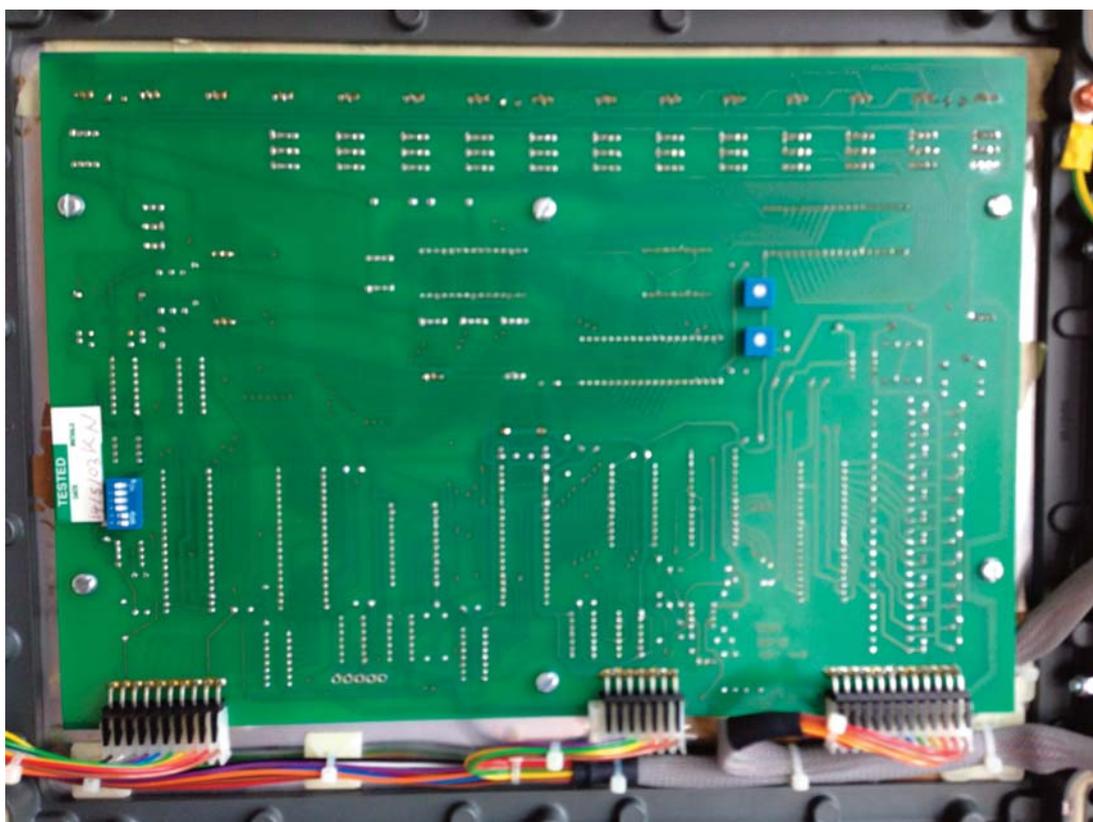
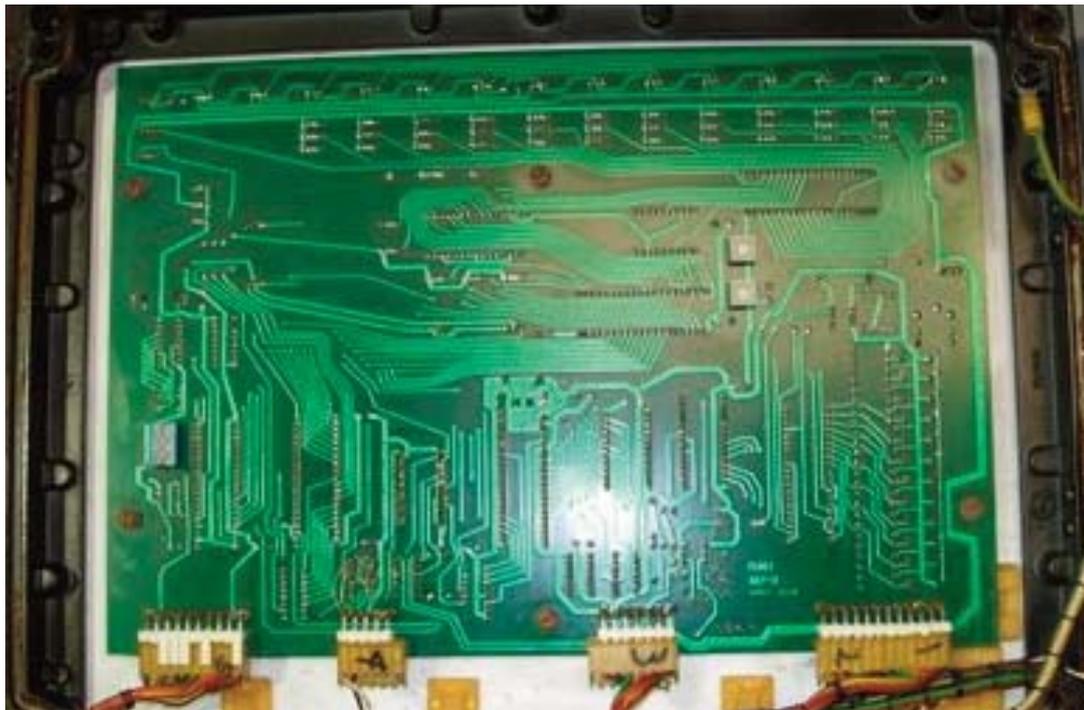


This is the third generation board that is our latest version of the system running in conjunction with the new MP12 Processor Board. The image shows a board with Data Logging and Individual Shutdown 2 x 6 installed on it.

This board is 100% supportable and QMI can repair or replace all aspects of this Monitor..

For upgrades please contact qmi@oilmist.com with dates of expected maintenance period. We will try our best to accommodate an upgrade. We would request this is done at least a few months prior maintenance period. It will need to be programmed into the factory schedule.

Identifying your MP12 Processor board:



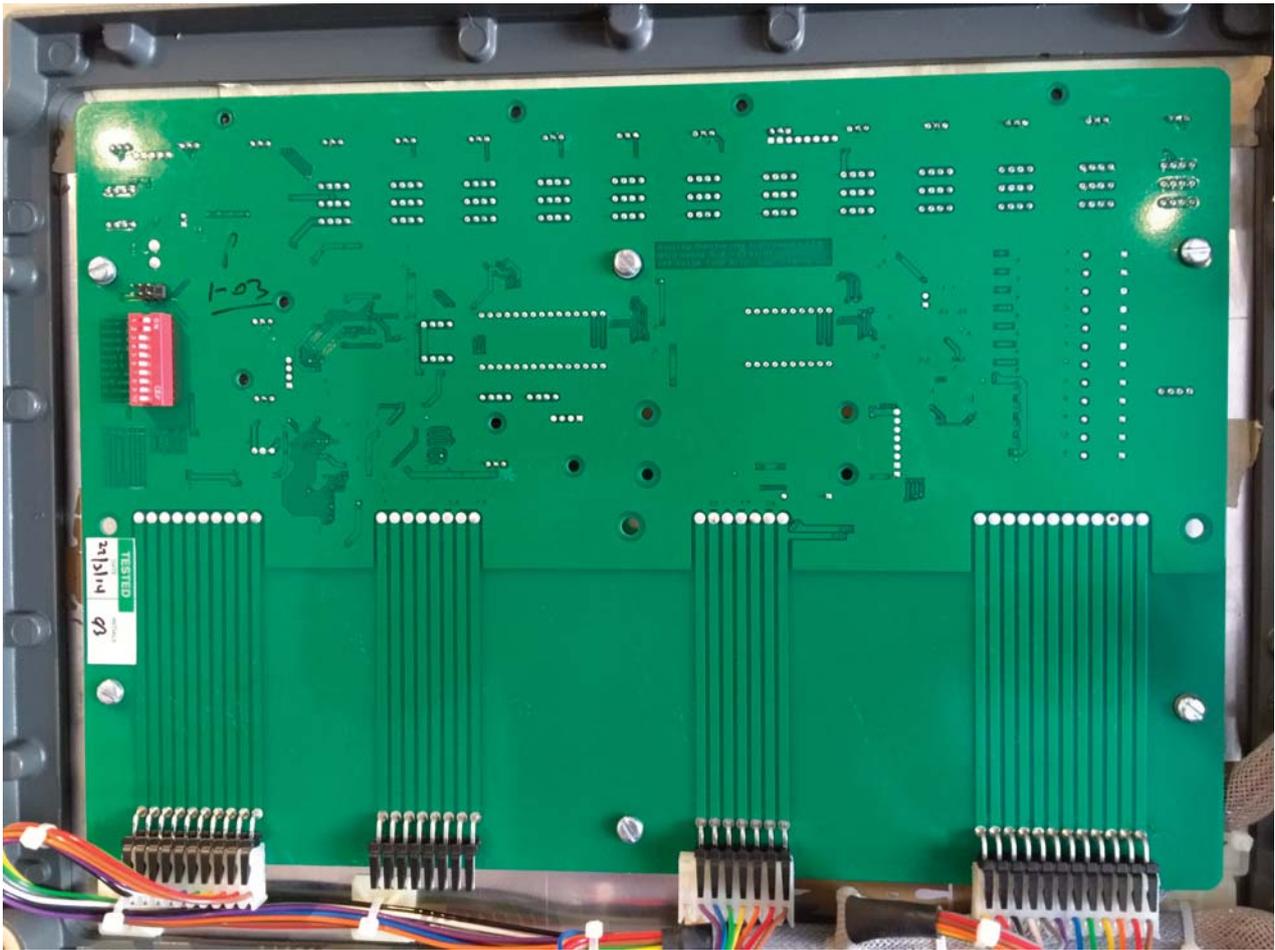
EPR0M Version MP12 Board:

Both boards shown above are E-Prom style boards.

These boards are no longer supportable and QMI recommend upgrading it to the latest versions of the board which replaces the EPROM with a flash solid state memory and support all new style Power Supplies.

We recommend servicing your Monitor and upgrading to latest version.

Flash Memory Version MP12 Board:



This is the latest version of the MP12 PCB 1.03.

This PCB will support the latest versions of the Power Supply Boards.

Features in version 1.03 MP12 PCB

Solid state memory.

Switchable alarm settings base levels between 2.0 mg/l and 1.3 mg/l

CPU test included in test program.

Version number identified in test program.



Keeping your equipment going:

We would recommend that all QMI equipment is cleaned when required and serviced every 2-3 years or around vessels maintenance periods. Please let QMI know about a pending service so we can schedule you in the diary for your equipment re-calibration and upgrades.

Recently we have had a few vessels reporting zero readings on their systems.

With engine detection there should only be zero readings if the engine is switched off as all engines have oil mist.

If this is the case with your system, first check the following.

1. Check filters in engine detector have been cleaned or replaced.
2. Check that gasket is still sealing the detector and there is no air getting in to the detector.
3. Check alarm settings are not set too high.
4. Check all Pipe works and make sure they are air tight.

if none of the above rectify the issue please email: qmi@oilmist.com with the following information:

Serial number of Monitor:

Vessel Name:

Number of detectors effected:

Issue you are having with the system:

Contact name and details:

Please Refer to users manual for cleaning procedures of sensors / detectors