INSTALLATION EXAMPLE

MARINE INSTALLATION – Cruise Operator

QMI has been at the forefront of engine and machinery space fire protection since the early 1980s and our innovative use of 'nephelometry' in measuring build-up of dangerous and hazardous levels of oil mist in industry is now globally recognised as having saved many fire and hazardous situations occurring.

Initially, QMI systems have been used in the Marine sector where they are installed in Engine Rooms, Hydraulic Areas and Pump Rooms, however they are also installed in land-based applications in the Aviation, Transportation and Power-Generation sectors.

Detailed here is a **Marine Engine installation**.

A cruise operator retrofitted their Oil Mist Detection system with a QMI MULTIPLEX Engine System.

During the first year of operation, as the crew had been continually recording the oil mist readings at the start of each shift, they noticed that the levels were beginning to rise – specifically in one crank space; number 5.

The Monitor registered this as an early warning alarm on channel five.

As a result, the engineering crew reduced the engine load and the ship returned to port to investigate the issue. After some research they discovered that a bearing had begun to fail in crank space 5.

Subsequently the crew managed to replace the faulty component with no significant incident or major down time for the ship or operator, and in this way the QMI system acted as an engine condition monitoring system.

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