INSTALLATION EXAMPLE

Engine – Livestock Carrier

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 installation.**

Recently, we were contacted by a superintendent of a livestock carrier who had taken charge of a vessel fitted with a QMI Oil Mist Detection System.

During a steady voyage between Portugal and Egypt, the Oil Mist Detection System indicated a high Oil Mist reading in one of the crank spaces.

As a result, the engine was stopped and investigations made, but no main bearing damage or bearing temperature difference was identified. The engine was subsequently restarted, but again the Oil Mist reading increased on the same unit. On further investigation, the piston ring set was found to be badly damaged and the high Oil Mist reading was caused by combustion gases reaching the crank case and triggering the alarm.

In this instance, the installation of the QMI system mitigated further expensive repairs and reduced the chance of a potentially serious situation developing further.