

**Hydro-Carbon Filtration & Separation** is an engineering and sales organisation focussing on Filtration & Separation solutions in a wide range of applications and markets all over the world. We specialise in the filtration and separation of process streams, such as fuels, oils (hydrocarbons) and petrochemical products. We offer engineering, design and supply of customised filtration and separation solutions, based upon years of relevant experience. With these application datasheets we inform you about the projects realised.

**Project reference****Oil in water monitoring system**

Customer

Refinery Lindsey UK

Function

To control the oil concentration in the outlet of the cooling system.

Range

Oil concentration 0 - 200 ppm / Solids concentration 0 -200 smu / Turbidity 0– 1000 ftu

Accuracy

Better than 5 ppm insoluble oil

Minimum Pressure

2 barg

Maximum Temperature

50 °C

Minimum Temperature

1 °C

Hydro-Carbon type

OMD-7 with sample pump and controls

Orientation

Design code

Best Commercial Practice

Outputs

Potential free alarm switch over contacts

Power supply monitor

230 V / 50 Hz.

Power supply pump

230 V / 50 Hz. 1 phase

Tests

FAT / SAT test

Principial

Light scattering with multiple wavelength light sources and multiple detector angles continuously. This design represents the first new Industrial Monitor capable of distinguishing between the different characteristics of Oil particles, Solids particles and Water Turbidity on a continuous basis.



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