

Work boat - engine monitoring kit

Optimising the lubricating oil within your work boat engine will ensure long term reliable operation and enable you to service your equipment based only when required using its current condition as opposed to a historic time-based schedule. The Tan Delta Work Boat Engine Monitoring kit can be simply and quickly installed to allow you to monitor your engine oil condition whilst ever the engine is operational giving you a critical insight in the engine oils effectiveness.

Full spectrum holistic detection

Detects and measures all oil condition changes, no matter the cause - wear or contamination.

Bluetooth connectivity

Stored data can be easily downloaded and sent wherever needed.

Fully configurable

Any oil type, MOT allows accurate testing of any oil or fuel oil.

Intuitive functionality

Simple touch screen menu system makes accessing functionality such as rate of change graphs, and alert configuration simple.

Robust and rugged

The rugged IP67 rated sensor and enclosure use high quality industrial connectors making this unit very reliable.

Independently tested

Sensor and display have undertaken rigorous independent testing to verify their outstanding performance in a wide variety of applications.

Benefits



Enhanced planning Accurately predict future maintenance and streamline and reduce associated costs.



Reduced wastage Avoid unnecessary oil waste by only changing oil which needs to be changed.



Lower operating costs Avoid unnecessary oil waste by only changing oil which needs to be changed.



Optimise service Intervals optimise service intervals without risking equipment performance and reliability.



Specifications

Order information

Product name: Work Boat Engine

Monitoring Kit

Product code: OQ-WB-ENG-1

Physical - sensor

Material: Stainless steel AISI304 Dimensions: 90 x 37 mm (L x W) Weight: 160 g

Thread: 1/2" BSPP thread / M32

Hex thread

Seal: DIN 3869 Viton Seal

Physical - display

Material: Heat repellent polycarbonate

Dimensions: 120 x 66 x 42 mm $(I \times W \times H)$

Weight: 300 g

Electrical

Power Supply: 9-30 V DC

Data output / input

Analogue output: 1x4-20 mA Digital output: 1xRS485: 9600 baud

half duplex to sensor 1xRS485: 512000 baud half duplex from display

Environmental

Operating temperature: -30°C (-22°F) to +65°C (+149°F)

Data logging

Storage capacity: >800,000 records

Oil quality (Tan Delta number) Oil temperature

Rate of change (condition / time) Status indicator

Standards and certification

Water & dust BS EN 60529:1992+A2:2013 IP67 when connected

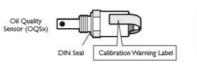
Shock & vibration:

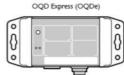
BS EN 60068-2-30:2005 (Test Db - cyclic humidity) BS EN 60068-2-6:2008 (Test Fc - sine vibration) BS EN 60068-2-27:2009 (Test Ea - mechanical shock)

EMC:

EN 61000-6-4:2007 (Generic Emissions Standard for Industrial Environments) EN 61000-6-2:2007 (Generic Immunity Standard for Industrial Environments) EN 300 328 v1.8.1. (Transferable electromagnetic compatibility for Wideband Data transmission equipment operating in the 2.4 GHz ISM Band and using Wideband Modulation Techniques) CE marked

Whats in the box













nfiguration &

figuration cable (Cable A)

sor to OQD Express cable (Cable C)

OQD Express to power data cable (Cable D)

Data software (CADS)













About Tan Delta



Tan Delta Systems Limited is a global leader in the development and supply of advanced oil condition monitoring technologies, with a fully integrated product portfolio all engineered and developed from the initial core product, the oil quality sensor (OQSx).

Our products are trusted by the world's leading industrial and commercial companies to monitor oil condition, helping to optimise equipment productivity, reduce operating costs, thereby remaining competitive in a global economy.

All Tan Delta products are engineered and quality manufactured for long term continuous operation in the harshest commercial and industrial environments. Each product is carefully engineered and tested to withstand the long term effects of extreme shock, vibration, heat, cold, thermal shock, electrical interference and many more factors

The Tan Delta Customer Support team partners with customers to implement highly effective and commercial beneficial oil conditioning. Our experience and expertise enable customers to quickly and smoothly implement successful con-

Tan Delta provide ongoing 24/7 global warranty support, technical support, advice and consultancy to ensure customers maximise the long term benefits of their investment in oil condition monitoring.

Demp A/S reserves the right to modify the technical specifications contained in this document without notice. No contractuel document.

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