

Why Tan Delta



Extend Oil Use

Stop throwing away good oil with many hours of useful life remaining. Tan Delta tells you when oil is at the end of its working life.



Reduce Maintenance

Oil condition correlates with equipment health and maintenance status - this enables you to pinpoint when equipment needs maintenance instead of fixed time based schedules.



Reduce Break downs

Detect potential issues at an early stage and undertake preventative action before expensive damage and or break downs.



Detect Contamination

Instantly detect any contamination which would otherwise lead to substantial issues and costs.

The Tan Delta Edge

Our unique analysis and analytics technology delivers equipment maintenance status information that is unmatched by any other sensor system. Our technology analyzes oil in real time at a molecular level, detecting and measuring all and any changes instantly - any oil type, any equipment, any application.

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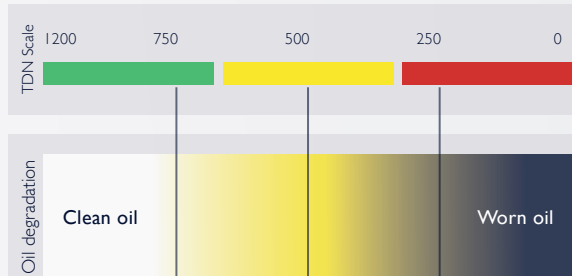
How it Works

As equipment operates, the electrochemical properties of the oil in use change. These changes are due to a variety of factors which will occur as the oil is used and ages. An unexpected degradation in oil quality can also be caused by contamination or accelerated wear, which reduces the oils effectiveness and increases the risk of equipment damage.

Our unique FSH core technology continuously analyses the electro-chemical properties of oil at a molecular level to an accuracy of 99.99%. All and any changes, irrespective of the cause, are instantly detected, characterized and delivered to you as simple easy to use actionable information.

Tan Delta Number (TDN) Scale

Our sensor provides a simple TDN reading for oil condition.



Oil condition changes are accurately tracked and reported via a TDN. Real time analytics provides a deep insight and early detection of issues, predicting optimal maintenance and reducing waste.

INTELLIGENT MONITORING AND MAINTENANCE



Extended oil usage



Reduce maintenance



Reduce breakdowns



Detect contamination

Reduce cost, quickly and simply with real time oil analysis

Our sensors use unique technology to analyse oil at a molecular level enabling deep insight on the life cycle and condition of any oil and the maintenance status of your equipment.

Easily installed on any equipment operating in any application and environment. Our systems enable you to immediately reduce oil use and waste, schedule maintenance according to real equipment status, and detect unseen issues before damage occurs.

Kits

Mobile Oil Tester (MOT) Kit



Instant oil sample analysis and equipment maintenance status insight. Perfect for field service engineers and workshops.

SENSE-1 Sensor Kit



Kit includes OQSx-G2 sensor and configuration cable for programming the sensor for the target oil and application.

SENSE-2 Display Kit



Continuous oil analysis and equipment maintenance status monitoring and alerts. Easily retro-fits to any equipment.

SENSE-3 Gateway Kit



Gateway solution that integrates with Tan Delta sensors and enables data streaming to any online M2M/IoT monitoring system.

Our solutions

Sensors

STANDARD



Real-time oil condition analysis sensor with integrated intelligent equipment maintenance optimisation analytics for all applications.

HAZARDOUS



Real-time oil condition analysis sensor certified for use in CID2 and ATEX Zone 2 hazardous areas.

See It in Action

Equipment maintenance and health correlates to oil condition. Our real time oil analysis provides you with the facts to optimise and reduce maintenance costs. Any equipment, using any oil type working in any environment.



Extended oil usage



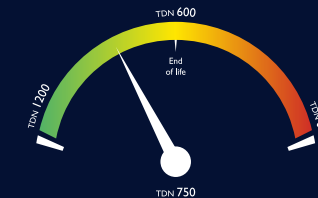
Reduce maintenance



Reduce breakdowns



Detect contamination



Tracks oil and equipment maintenance status in real time - simple scale read out.

OQSx-G2 Oil Analysis Sensor



TANDELTA
Oil Condition Monitoring