

➔ REMOVING THE NEED FOR EXTENSIVE OIL SAMPLING BY PREDICTING FUTURE MAINTENANCE

Industrial Gearbox – Oil Condition Monitoring

Challenge

Contamination and moisture ingress are common problems on many gearboxes, laboratory sampling can be expensive, requires regular samples to be taken and analysed, therefore to reduce this overhead and to ensure the reliable operation of a critical gearbox a 24 x 7 x365 oil monitoring solution would need to be fitted.

Solution

By simply fitting the Tan Delta Oil Quality Sensor (OQSx) into the existing lubrication circuit (via an OEM port) on the gearbox and then connecting it directly into the Oil Quality Display (OQDe).

Benefits

The need for regular oil sampling reduced significantly and enabled the operators to view the current condition of the oil in real at any point.

➔ HIGHLIGHTS

Increased Reliability

Detects and reports the early signs of hidden issues enabling remedial action to prevent accelerated wear and unexpected breakdowns.

Reduced Wastage

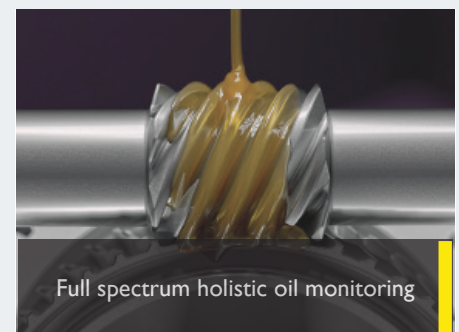
Unnecessary oil waste was avoided by only changing oil which needs to be changed.

Enhanced Planning

The site can now accurately predict future maintenance and streamline and reduce associated costs.

Prevent Catastrophic Failure

The site is able to track real time changes in their oil quality preventing avoidable failures.



Full spectrum holistic oil monitoring

➔ COMMERCIAL BENEFIT

The reduction in oil sampling and the associated man power required to take and analyse the samples realised a £1.5K saving per asset per year.

Service and Support from Tan Delta

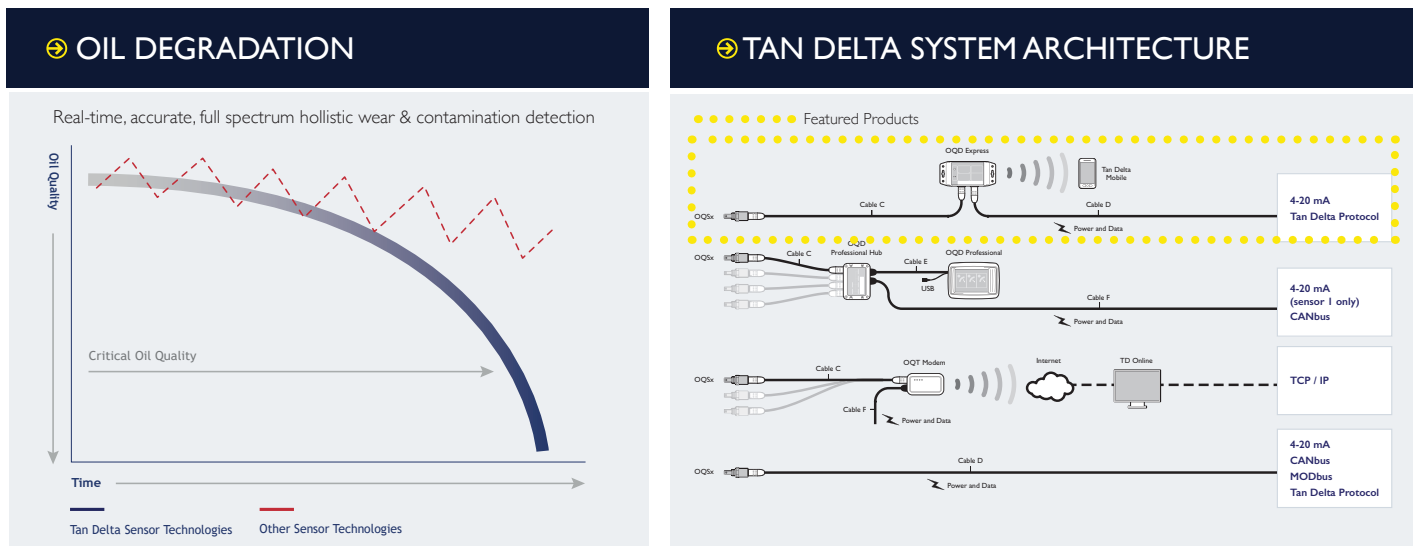
The Tan Delta Customer Support team partners with customers to implement highly effective and commercial beneficial oil conditioning. Our experience and expertise enable customers to quickly and smoothly implement successful condition monitoring.

- ➔ The evaluation and identification of the commercial benefits that will be derived from the implementation of Tan Delta full spectrum holistic real time oil condition monitoring.
- ➔ Support for the planning and efficient implementation of systems across large estates of equipment, including the integration into existing monitoring systems and operational procedures.
- ➔ Ongoing 24/7 global warranty support, technical support, advice and consultancy to ensure customers maximise the long term

Technology That Makes a Difference

Tan Delta core technologies deliver unique oil condition monitoring performance that directly translates into significantly enhanced commercial benefits.

Tan Delta technology uniquely offers full spectrum holistic oil condition monitoring in real time to a very high degree of accuracy. This ensures that any contamination and or wear, no matter the cause, is detected, quantified and reported in real time. Nothing is missed.



About Tan Delta Systems

Tan Delta Systems Limited is a global leader in the development and supply of advanced oil condition monitoring technologies, products and systems.

Its 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.



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