CONTINUOUS, REMOTE MONITORING OF YOUR BOILER CIRCULATING PUMP

Improve availability and Mean Time Between Failures (MTBF) with accurate, up-to-the-minute knowledge of the health and remaining useful life of your equipment.
**STAY IN CONTROL**
with better data for better detection and decision making.

The Datahawk Health Monitoring System provides precise, real-time data on the overall health of your fleet of boiler circulating pumps, giving you the information you need to maximize availability and avoid costly unplanned maintenance, a must-have for peak load operation.

**A Predictive Approach**

Datahawk allows users to shift their maintenance philosophy from reactive maintenance to a predictive strategy. Its prognostic model is based on continuously monitoring vibration, current and impact, and interpreting these data points into meaningful failure modes through automatic data processing. This approach allows users to understand data about their equipment without extensive training or analysis.

As it calculates the Remaining Useful Life (RUL) of the unit, Datahawk determines the optimal time to perform maintenance, helping you make better decisions.

Our technical team provides life-cycle support from installation and commissioning to troubleshooting detected issues. With various pricing options to choose from, we can monitor your equipment for you, with you, or act as technical support only when requested.

**Why Datahawk?**

- Designed exclusively by OEM for boiler circulating pumps
- Designed for fluid-filled bearings, requiring no pressure boundary penetrations
- Provides accurate diagnoses of issues in real time
- Monitors 9 Health Indicators, fed by 46 Condition Indicators
- Trends data over time and predicts Remaining Useful Life (RUL)
- Low probability of false alarm by using correlated Condition Indicators for each Health Indicator
- Data is uploaded to the cloud via a secure network connection and can be accessed anywhere
- Offers easy-to-use mobile interface

Data is displayed in an intuitive user interface that can be accessed from anywhere in the world.

Automated email alerts are sent when “warning” and “alarm” levels are reached.
Continuous health monitoring captures a range of data inputs and combines them to provide precise, real-time information on the Remaining Useful Life (RUL) of your pump.

**A PREDICTIVE MAINTENANCE STRATEGY:**

**Maximum productivity. Minimum costs.**

A conservative preventative maintenance strategy results in a high cost of maintenance and low cost of failure, while a reactive strategy results in a low cost of maintenance, but a high cost of failure. Datahawk’s predictive approach reveals the optimal maintenance time to help maximize availability without performing unnecessary maintenance.
Access your data from anywhere through Datahawk’s cloud-based, mobile friendly, Graphical User Interface (GUI). The GUI allows you to view your fleet of equipment, starting at high-level Health Indicators that provide the overall BWCP condition, and provides the ability to drill down on each component in the frequency domain for a traditional analysis view.

The data is trended over time, showing plots compared to warning and alarm levels, and a Remaining Useful Life is calculated for each component based on trend data — making maintenance planning easier.

Automatic notifications can be sent when Health Indicators reach warning and alarm levels.

For further information on Hayward Tyler's Datahawk Health Monitoring System, please contact us at a location below or visit: [www.haywardtyler.com/datahawk](http://www.haywardtyler.com/datahawk)

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