BROCHURE

OIL CONDITION
MONITORING
SOLUTION

Triniti Oil Monitoring
Solution version 1.0

OUR **HISTORY**

We are a business and application consulting firm that enables enterprises to improve their performance through various data-driven solutions. With the advent of Industry 4.0 and Triniti's strong intent to help the customer integrate business data and operations data, we have ventured into value-adding Industrial Internet of Things (IIoT) solutions. Right from identifying the proper hardware to acquiring the operational data, data communication, data insights, analytics, and integration with the business systems, we provide end-to-end solutions and services.

We strongly believe in delivering value through IT-OT integration, and with our proven track record in the business data space, IT-OT integration can help quickly realize the importance of Industry 4.0 solutions to its customers.

OIL CONDITION MONITORING SOLUTION

Our end-to-end industrial IoT solution captures lubricant oil quality parameters and provides continuous visibility. Lubricant oil's cleanliness is critical to machines' performance and life. If undetected, it can lead to unplanned downtime & unwanted machine failures. The Online Oil Condition Monitoring solution continuously **monitors oil health**, specifically **oil particle contamination**. We utilize advanced sensors that can easily integrate for overall oil condition monitoring.

Oil contamination caused due to small particles of size up to **4u, 6u & 14u** is challenging to detect through the naked eye and requires an advanced-level sensor. A manual oil sampling at periodic intervals through an oil sensor installed on the machine serves the purpose of contamination detection but it is time-consuming and prone to human errors.

Close monitoring of oil quality is imperative to avoid unplanned downtime & unwanted breakdowns.

OIL CONDITION MONITORING SOLUTION BENEFITS

LIVE CONDITION MONITORING	TIMELY RESPONSE	MACHINE PROTECTION

Multiple Advanced
Oil Quality Sensor
Integration with Ease

Visual Oil Cleanliness
Parameter Monitoring on
Our *INSIGHTS PORTAL*

Various Alert Mechanisms
Configured to Indicate
Breaches

Reduced
Dependency on
Offline Oil Analysis

Reports for Historical
Alerts Data Logs by
Individual Machine

TRINITI **OIL MONITORING SOLUTION** VERSION 1.0

DASHBOARD SNAPSHOTS

TRINITI **OIL MONITORING SOLUTION** VERSION 1.0

DASHBOARD SNAPSHOTS

Configuration For Alerts / Notifications 🏠 Logout

Search 🔍

⊕ ⤓

Machine	Operational Parameter	Low Alert	High Alert	Low Caution	High Caution	eMail Details	Phone Number	Status	Send SMS	Send Email	Actions
Voith	14u		10		10	pm6maintenance@westcoastpaper.com	4027893939	⬤	⬤	⬤	✎
Voith	4u		18			pm6maintenance@westcoastpaper.com	4027893939	⬤	⬤	⬤	✎
Voith	RH		45		43	pm6maintenance@westcoastpaper.com	4027893939	⬤	⬤	⬤	✎
Voith	6u		16			pm6maintenance@westcoastpaper.com	4027893939	⬤	⬤	⬤	✎
Voith	NAS		7			pm6maintenance@westcoastpaper.com		⬤	⬤	⬤	✎

TRINITI OIL MONITORING SOLUTION VERSION 1.0

DASHBOARD SNAPSHOTS

☰ **Machine Insights Report** 🏠 Logout

Home / Report Menu / Machine Insights

Select Machine:
Voith ▾

Select Duration
📅 Last 15 Days ▾

Search 🔍

⬇

Machine Name	Parameter Name	Parameter Value	Alert	Alert Start	Alert End	High Value	Low Value
Voith	14u	10	Current value of the parameter is above high threshold value	2022-11-20 05:02:25 AM	2022-11-20 05:32:25 AM	10	
Voith	14u	10	Current value of the parameter is above high threshold value	2022-11-21 02:47:22 AM	2022-11-21 04:17:22 AM	10	
Voith	14u	10	Current value of the parameter is above high threshold value	2022-11-20 12:47:25 AM	2022-11-20 01:32:26 AM	10	
Voith	14u	10	Current value of the parameter is above high threshold value	2022-11-20 02:02:25 AM	2022-11-20 03:02:25 AM	10	
Voith	14u	10	Current value of the parameter is above high threshold value	2022-11-20 03:32:25 AM	2022-11-20 04:32:25 AM	10	
Voith	14u	10	Current value of the parameter is above high threshold value	2022-11-20 08:17:25 AM	2022-11-20 08:47:25 AM	10	
Voith	14u	10	Current value of the parameter is above high threshold value	2022-11-20 09:17:25 AM	2022-11-20 01:02:22 PM	10	