

DAIRY HOMOGENIZER

MACHINE HEALTH SOLUTION FOR THE DAIRY INDUSTRY



THE PROBLEM:

Homogenizers are critical to many **Food & Beverage** production processes.

Maintaining assets like **Homogenizers & Food Processors** is crucial, yet difficult.

Homogenizer / Processors:



Downtime at the homogenization step effects processes all the way down the production line



Process variables not captured by vibration play a crucial role to overall asset health



VIBRATION SENSORS

- V3 sensors to monitor vibration indicators and temperature
- Sensors placed on the motor and rotating mechanical equipment



DATA INTEGRATION

Integrate data stored at the plant to paint a comprehensive picture of asset health. Trend third party sensor or PLC historian data in SmartDiagnostics alongside vibration

- Motor Run Speed
- Inlet / Outlet Pressure
- Production mix



ADVANCED SENSORS

- Ultrasonic sensors on valves to detect early signs of wear
- Oil quality sensors to detect lubrication issues before they affect mechanical components
- Pressure sensors to monitor inlet and outlet values



SMARTDIAGNOSTICS

- Trend data from third party sensors on SmartDiagnostics with data integration
- Connect advanced sensors to SmartDiagnostics with the IOT HUB



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