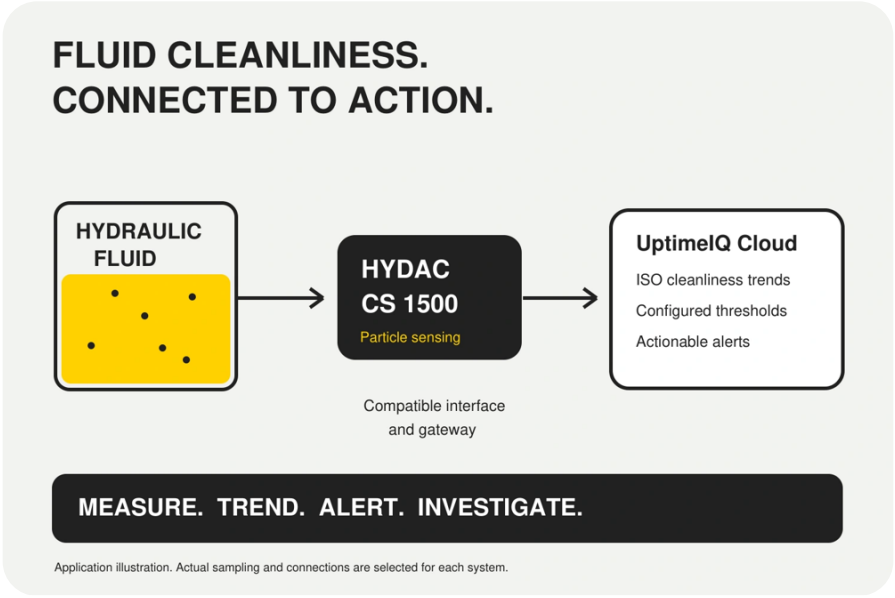
HYDRAULIC FLUID CLEANLINESS MONITORING

HYDAC particle sensing connected to UptimeIQ Cloud.
ISO cleanliness trends, thresholds, and alerts.

#FC1026





ISO CLEANLINESS MONITORING

CONFIGURED THRESHOLD ALERTS

CONNECTED SENSOR DATA

UPTIMEIQ CLOUD DASHBOARDS

THE CHALLENGE

Solid particle contamination can damage hydraulic pumps, valves, and other precision components. Fluid that looks acceptable may still exceed the cleanliness target for sensitive equipment. Periodic sampling provides valuable information, but conditions can change between checks. Maintenance teams need timely visibility into contamination trends so they can investigate and take action before problems escalate.

THE SOLUTION

UptimeIQ uses the HYDAC CS1520-1-1/000 contamination sensor to monitor solid particle cleanliness in compatible hydraulic fluid. Its output is connected through a suitable interface and gateway to UptimeIQ Cloud. Custom dashboards show ISO cleanliness readings and trends for each monitored asset. Thresholds are set to suit the machine and component manufacturers' recommendations, with alerts when configured limits are exceeded. The team can then investigate contamination sources, check filtration, and review whether corrective action has restored cleanliness.

THE BENEFITS

- Earlier visibility into increasing particle contamination
- Alerts when configured ISO cleanliness limits are exceeded
- A shared cloud view of hydraulic fluid cleanliness trends
- Better information for filtration checks and maintenance planning

Start with a critical hydraulic system and its recommended cleanliness target. UptimeIQ can help connect sensor readings, configure alerts, and give your maintenance team a clearer basis for action.

OVERVIEW

- HYDAC CS1520-1-1/000 contamination sensor
- Suitable sampling connection and fluid flow
- Compatible signal interface and gateway
- UptimeIQ Cloud dashboards and trends
- Asset-specific ISO thresholds and alerts

WHY UPTIMEIQ?

Custom cloud dashboards connect fluid cleanliness trends with the limits and alerts your team needs.

HYDAC CS 1500 sensor
UptimeIQ Cloud

Sensor image: HYDAC CS 1500 series manufacturer datasheet. System illustration: UptimeIQ. Configuration and sampling vary by system.
Technical reference: HYDAC CS 1500 datasheet EN 7.962.3/11.25. Particle cleanliness monitoring does not replace comprehensive oil analysis.

Let's Talk

See how UptimeIQ can help monitor your critical assets.

✉ info@uptimeiq.io

◎ uptimeiq.io

SENSORS. DATA. INSIGHT. ACTION.

SCAN TO REQUEST A DEMO