A Guided Journey
to Maintenance and Sustainability

Fluid Care Programme

HYDAC

Empowering
Sustainable Movement

70% of hydraulic system failures are due to oil condition.

Generic Laboratory advice isn't enough.

HYDAC offers a holistic analysis of your fluids and operations to support machine and asset health.

Sustainable Maintenance

Maximise Equipment Life
Minimise Environmental Impact.

KNOWLEDGE

Since 1963, HYDAC stands as a global leader for Fluid Engineering. Our extensive industrial experience ensures that as your expert partner, we are dedicated to delivering customised solutions that address your specific needs.

RELIABILITY

HYDAC offers comprehensive maintenance strategies, monitoring and actionable recommendations to ensure consistent and dependable equipment performance.

SUSTAINABILITY

HYDAC focuses on extending the life of fluids and equipment, significantly reducing waste and lessening environmental impact. We also help you document the impact of your Fluid Care strategy by calculating the carbon footprint associated with your fluid consumptions.

Fluid Care Portal

Understand how fluids can impact your operations.

RECOMMENDED ACTIONS

The Fluid Care Portal gives relevant recommended actions and insights from our laboratories across the world.

TASK MANAGEMENT

Tasks generated automatically from the recommended actions allowing for easy management of problems and solutions.

DOCUMENTATION

Store related documents against the asset and equipment for easy access.

ANALYSIS REPORTS

Track trends and gain insights with HYDAC's fluid analysis and reporting.

ASSET OVERVIEW

Build an easy-to-use asset structure and gain a complete overview of system conditions.

Case Studies

Steel Manufacturing

Fluid Analysis for: Main hydraulic system in steel-making line

Analysis Results:

- 100,000 litres of contaminated oil

Diagnosis Recommendations:

- Implement tailored purification system to remove specific contaminants
- Continuous monitoring and fluid analysis to maintain oil quality

Improvement Results:

CO_2 REDUCTION OF CO_2 FOOTPRINT BY APPROXIMATELY 400,000 KG, ALIGNING WITH SUSTAINABILITY GOALS

700,000€ SAVED IN OIL REPLACEMENT AND DISPOSAL COSTS

UNINTERRUPTED STEEL PRODUCTION, ENHANCING PRODUCTIVITY AND RELIABILITY

Marine

Fluid Analysis for: 400-tonne crane on shipping vessel

Analysis Results:

- High levels of varnish

Diagnosis Recommendations:

- Reduce varnish levels to increase cooling performance
- Use correct filter media for fluids with low conductivity

Improvement Results:

SAVED IN FLUID COSTS **38,000€**

12,500 LITRES OF OIL SAVED

It’s Time to Talk

What do you do when receiving a critical lab report?

Do you know for how long your oil can be used?

What is the optimal interval for changing your filters?

Can you identify your critical equipment?

EMPOWERING SUSTAINABLE MOVEMENT

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