

Welcome to the Q2 Newsletter

Across this quarter, one theme keeps surfacing: getting more from what you already have.

As supply chains tighten and operators scrutinise every cost, inline fluid condition monitoring is moving from a smart upgrade to a strategic necessity - turning maintenance from a calendar exercise into a data-driven decision. In this edition: extending biogas engine oil life with OptiGas, ethanol measurement at the Port of Jimenez, new partners and faces, and where to meet us next.

When Every Litre Counts

THE BIGGER PICTURE

Base oil supply pressure isn't easing - it's building. As availability tightens and costs climb across every sector that relies on lubricants, the smartest response is to make the oil you already have work harder. Oil life extension has moved from a nice-to-have to a strategic necessity.

For operations running critical assets in mining, marine, power generation and heavy industry, the question is no longer whether tightening supply will bite, but by how much. The way to extend oil life safely is to stop changing oil on a calendar and start changing it on evidence.

Spectrolytic **FluidInspectIR®** continuously monitors the molecular condition of lubricants in real time, inside operating equipment, so oil is replaced only when it genuinely needs to be - every litre delivering its full useful life while procurement pressure and waste both fall.

Proof in the field: OptiGas

A biogas engine operator had been changing oil every 600 hours on a fixed, conservative schedule, with no visibility into actual oil condition. A **FluidInspectIR® Plus** system was installed to continuously monitor TAN, TBN, oxidation, sulphation and water using mid-IR chemical analysis.

Armed with evidence rather than estimates, the operator safely extended the drain interval from 600h to 1,400h - a 2.3x increase, with data trending toward 1,800h (3x). The system also caught a sulphation spike from poor H₂S filtration before it could cause damage.

VALUE DELIVERED

A 50%+ reduction in oil spend, more than £10,000 saved to date, and projected lifetime savings in the £100,000s - turning oil life extension into a strategic supply-chain advantage.

In partnership with



2.3x

Drain interval extension (600h → 1,400h)

50%+

Reduction in oil spend

>£10,000

Programme savings to date

On Location: Port of Jimenez, Philippines

Spectrolytic's reach extended into the Philippines with a **FluidInspectIR® Portable** deployment at the Port of Jimenez, put to work measuring the ethanol content of gasoline - a parameter where accuracy matters for both compliance and engine performance - delivering fast, reliable results at the point of need rather than waiting on off-site laboratory turnaround.

The deployment was supported on the ground by our regional distributor, **RTF Scientific Instrument Trading**, whose local presence and technical support continue to help bring inline and portable fluid analysis to customers across the region.



FluidInspectIR® Portable in the field at the Port of Jimenez.

Company News



A new distributor in Hawaii

We're pleased to welcome **PrimeSpec Labs** as Spectrolytic's distributor in Hawaii, extending our partner network across the Pacific and bringing local support to customers in the region.

"With no locally operated oil analysis labs on island, PrimeSpec Labs was created to fill a gap here in Hawaii. Partnering with Spectrolytic has closed the gap in condition monitoring by bringing 24/7 inline analysis to critical equipment. In Hawaii, avoiding failures matters even more - the logistics of getting parts and contractors out to the islands is a costly challenge many companies face every day. PrimeSpec Labs is using Spectrolytic's technology to give local companies and people real insight into their equipment, so they can better protect their assets and save money."

Justin Benevides, Managing Member, PrimeSpec Labs

Employee Spotlight: Gergely Hantos



Gergely on-site.

This quarter we shine a light on **Gergely Hantos**, Spectrolytic's **Installation Lead**, who works across field engineering and customer delivery - from remote troubleshooting to on-site installations and hands-on training, making sure every system is properly set up and running effectively.

Much of his work happens in the field, supporting deployments and resolving technical issues under time pressure while ensuring smooth commissioning and a clean handover to the customer.



Installation session

What drew him to Spectrolytic was the mix of cutting-edge technology and real-world engineering challenges - and the chance to work with technology that gives customers insights they simply didn't have before. What he enjoys most is the variety and the hands-on nature of the work, and he's a firm believer in the value of in-person engagement.

Outside of work, Gergely is an artisan coffee enthusiast with a keen interest in IoT and smart home automation. He's happiest outdoors - hiking, skiing, scuba diving, and making the most of Scotland's landscape, especially wild camping in the Highlands and the occasional cold dip in a loch.

Lubricant Expo Europe 2026

Following our successful appearance last year, we're delighted to confirm that Spectrolytic will be returning to **Lubricant Expo Europe** in 2026.

Come and see us to talk inline fluid analysis, oil life extension, and how real-time condition monitoring can work for your operations.

Welcome to the team

A warm welcome to **Phil**, who joins Spectrolytic as our new Finance Manager. We're delighted to have him on board.

WHEN & WHERE

15-17 September 2026 · Messe Düsseldorf, Germany

