

ANALYTICAL LAYOUT OF AN IN-SERVICE FLUIDS TESTING LAB

Avio® 550 Max Oils ICP-OES

- Vertical plasma torch ensures fast, stable operation, dependable results, and low cost per analysis
- Patented Flat Plate™ plasma technology uses half the argon of load-coil systems with the same robust plasma
- Simultaneously collects data on more than 73 elements (UV and visible wavelengths) in seconds for exceptional sample throughput
- Complies with: ASTM D5185, D4951 and D6130
- For Coolant analysis – detects wear metals, additives and contaminants. Compliant to ASTM D6130

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LPC 500™ Liquid Particle Counter

- Inflow sensor measuring particle size and count as the sample makes its way to the Avio 550 Max Oils ICP-OES
- No additional sample preparation required
- Combined sample-to-sample analysis of 45 sec
- Smallest automated particle counter footprint in the industry

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LC 300 HPLC system SimplicityChrom™ CDS Software

- Long-life additive analysis: Carboxylates, azoles in coolants
- Measurement of furanic compounds in transformer oil

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TGA 4000/8000 & STA 6000

- Compositional analysis of fuels and lubricants
- Soot analysis of diesel engine oils following ASTM D5967
- Engine oil volatility testing by ASTM D6375

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OilPrep™ 4/8 Oil Diluters

- High speed dilution of oil or coolant samples with an organic or aqueous diluent
- Preparation for particle counting by SPOS and elemental analysis by ICP-OES
- Sample throughput between 200 and 500 samples per hour

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Clarus GC Gas Chromatograph

- Fast analysis with unique PreVent backflush technology
- Robust, integrated liquid autosampler provides reliability with small sample sizes
- Detection of potentially damaging compounds and contamination levels
- More precise and effective scheduling of preventative maintenance
- Complies with ASTM D7593
- Percent glycol: Coolant concentration

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Teledyne CETAC Oils 7400 Autosampler

- Oils 7400 Autosampler for easy switching between oil and coolant testing - Features mixing paddle
- ASXpress Plus for higher throughput: 2 samples/min for 23-element analysis
- Particle Xpress for LPC 500 coupling to Avio 500, offering particle and elemental analysis in the same run - Features switching valve with syringe assist

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OilExpress™ 4 Oil Condition Monitoring System

- Automated FT-IR analysis of oils
- Detection of degradation and contamination properties of lubricating fluids
- Provides undiluted samples of used oil to the Spectrum Two FT-IR
- Sample throughput of up to 100 samples per hour
- Complies with: JOAP, ASTM E2412 and D7418

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Spectrum Two™ FTIR Lubricant Analysis System

- User-friendly design with dedicated in-service lubricants analysis protocols
- Clear, high-quality results, regardless of the level of expertise
- Designed to handle demanding quantitative applications
- Easy setup and reporting to get your lab up and running faster

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TurboMatrix™ Headspace Sampler for GC

- Determines glycol contamination in in-service oils
- Complies with ASTM D7922

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UV/Vis Coolant Analyzer with S23 Autosampler

- Additives, inhibitors, and contaminants detection in coolants: Molybdate, nitrite, phosphate, nitrate, chloride, sulphate, bromide, glycolate

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PerkinElmer Consumables

- Engineered for your instruments
- Tested and validated to ensure accurate, repeatable results, on-time, every time
- Designed to deliver reliable performance, control operating costs and maximize uptime

PerkinElmer OneSource™ Services

- Optimize for up-time & enhance productivity
- Keep compliant with regulatory standards
- Service contracts & maintenance plans available