THE SMOOTH OPERATION OF THE EFFICIENT LUBRICANT TESTING LAB

Avio® 500 ICP-OES Oils
• 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: JOAP, ASTM E2414 and D7418

LPC 500™ Liquid Particle Counter
• Inflow sensor measuring particle size and count as the sample makes its way to the Avio 500
• No additional sample preparation required
• Combined sample-to-sample analysis of 45 sec
• Smallest automated particle counter footprint in the industry

TurboMatrix™ Headspace Sampler for GC
• Determines glycol contamination in in-service oils
• Robust, integrated liquid autosampler provides reliability with small sample sizes
• Deeper, more specific insights into the state of your oils
• Detection of potentially damaging compounds
• Precise results on fuel or coolant contamination levels
• More precise and effective scheduling of preventative maintenance
• Complies with ASTM D7922

OilPrep™ 4/8 Oil Diluters
• High speed dilution of oil samples with a solvent
• Preparation for particle counting by SPOS and elemental analysis by ICP-OES
• Sample throughput between 200 and 500 samples per hour

Clarus® 590/690 GC
• Fast fuel analysis with unique PreVent backflush technology
• Robust, integrated liquid autosampler provides reliability with small sample sizes
• Deeper, more specific insights into the state of your oil
• Detection of potentially damaging compounds
• Precise results on fuel or coolant contamination levels
• More precise and effective scheduling of preventative maintenance
• Complies with ASTM D7593

Power Conditioner
• Ensures a stable power supply
• Recommended for most instrumentation
• Provides clean power at 120, 208, or 240 VAC

Teledyne CETAC Oils 7400 Autosampler with Dedicated Sample Introduction Systems
• Oils 7400 Autosampler for easy switching between oil and coolant testing
• Features mixing paddle to stir sample prior to analysis
• 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

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 E2414 and D7418

Spectrum Two™ FT-IR 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

Teledyne CETAC Oils 7400 Autosampler with Dedicated Sample Introduction Systems
• Oils 7400 Autosampler for easy switching between oil and coolant testing
• Features mixing paddle to stir sample prior to analysis
• 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

OilPrep™ 4/8 Oil Diluters
• High speed dilution of oil samples with a solvent
• Preparation for particle counting by SPOS and elemental analysis by ICP-OES
• Sample throughput between 200 and 500 samples per hour

Clarus® 590/690 GC
• Fast fuel analysis with unique PreVent backflush technology
• Robust, integrated liquid autosampler provides reliability with small sample sizes
• Deeper, more specific insights into the state of your oil
• Detection of potentially damaging compounds
• Precise results on fuel or coolant contamination levels
• More precise and effective scheduling of preventative maintenance
• Complies with ASTM D7593

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

www.perkinelmer.com/lubricants

Copyright ©2016-2019, PerkinElmer, Inc. All rights reserved. PerkinElmer® is a registered trademark of PerkinElmer, Inc.
All other trademarks are the property of their respective owners. 014443A_01 PKI