

# MiniLab 153

## Comprehensive Oil Analyzer

ASTM D6595, ASTM D6792, ASTM D7889, ASTM D8092, ASTM D8120, ASTM D6786 ASTM D8120, ASTM D7596, ASTM D7889, ASTM D8092, ISO 4406, NAS 1638, NAVAIR 01-1A-17, SAE 4059

With four simple tests, the MiniLab 153 delivers comprehensive on-site oil analysis, providing immediate actionable results, saving time and reducing costs.



### Highlights of this system include

- One product, delivering lab-quality analysis outside of the lab
- Simplified workflow for the non-expert user, no chemist required
- Simplified operation, data reporting and report interpretation via the TruVu 360 Diagnostic Sets with recommended actions



### MiniLab Series Software

The TruVu 360 software is a browser-based platform installed on a company network, a local PC or accessed using the Spectro Scientific Cloud Hosting Service. The TruVu 360 Device Console can be installed on a local PC along with the MiniLab instrument software. TruVu 360 delivers a best practice for the on-site oil analysis process and it provides performance dashboards at the asset, plant and corporate level.

	PARAMETER	Elemental ASTM METHOD D6595	Particle Count and Ferrous ASTM METHOD D7986	Ferrous ASTM METHOD D8120	Viscosity ASTM METHOD D8092	Chemical ASTM METHOD D7889
Contamination	Particle count and ISO codes		✓			
	Non-metallic particle count, distribution and images		✓			
	Sodium and Silicon	✓				
	Total Water					✓
Chemistry & Viscosity	Viscosity				✓	
	Total Acid Number (TAN)					✓
	Oxidation					✓
	Fluid Integrity					✓
	Total Base Number (TBN), Oxidation, Nitration, and Sulfation for engine oils					✓
	Magnesium, Calcium, Barium, Zinc, Molybdenum, and Phosphorus	✓				
Wear	Wear particle images and counts		✓			
	Total Ferrous content, ppm		✓	✓		
	Large Ferrous content, ppm		✓			
	Copper, Silver, Chromium, Titanium, Aluminum, Nickel, Iron, Manganese, Lead, Tin, Cadmium, and Vanadium	✓				