

MiniLab EL Series

Comprehensive Oil Analyzer for Engines

ASTM D6595, ASTM D6792, ASTM D7889,
ASTM D8092, ASTM D8120, ASTM D6786,
ASTM D8120

Engine oil analysis is a reliable and mature non-destructive testing (NDT) technique used to monitor the condition of the engine in development, on the production line and for in-service maintenance. High performance reciprocating engines and jet turbines are complicated mechanical systems with many high speed moving parts. With five simple tests, the MiniLab EL 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 data handling and report interpretation

MiniLab 143EL

MiniLab 123EL



	PARAMETER	Elements ASTM D6595	Oil Chemistry ASTM D7889	Viscosity ASTM D8092	Fuel Dilution ASTM D8004	Total Ferrous ASTM D8120
Contamination 	Boron, Sodium, and Potassium	✓				
	Water		✓			
	Soot		✓			
	Glycol		✓			
	Fuel dilution				✓	
Chemistry & Viscosity 	Total Base Number (TBN)		✓			
	Oxidation, Nitration, and Sulfation		✓			
	Fluid integrity		✓			
	Additive depletion (ZDDP)		✓			
	Total Acid Number (TAN) for NatGas engines and lube oils		✓			
	Magnesium, Calcium, Barium, Zinc, Molybdenum, and Phosphorus	✓				
	Viscosity			✓		
Wear 	Total Ferrous					✓
	Copper, Silver, Chromium, Titanium, Aluminum, Nickel, Iron, Manganese, Lead, Tin, Cadmium, and Vanadium	✓				

