

## Our Mission

Our mission is to become the benchmark standard in fuel analysis, testing and research services to commercial and industrial businesses.

With over 45 years of combined experience, FOI Labs is committed to providing the utmost in service and quality fuel testing.

## Superior Quality, Superior Service.

FOI Laboratories is a state-of-the-art fuel analysis, testing and research laboratory that specializes in providing high quality fuel analysis and testing services to commercial and industrial businesses. FOI's management team has over 45 years of combined experience in the fluids testing industry, and because our main focus is the analysis and testing of fuels, we do it better and faster than other testing laboratories performing fuel analysis as just another service.

## Our Research

FOI focuses a significant amount of activity on research for improving advanced technology and compression ignition engine efficiency, and meeting emissions standards. These dedicated resources along with the collaborative research of our clients, are helping to develop new advanced biofuels and emission control technologies. Our research includes the testing and development of low-sulfur advanced biofuels and blending components that will improve the performance of engines and emission control devices.

## Our Services

FOI offers a comprehensive collection of diesel fuel testing services that have been designed to detect storage integrity and classify product by ASTM and industry specifications.

Our basic diesel fuel test package helps determine whether your fuel meets standard ASTM D/F #2 specification. Our long-term storage package helps predict your product's remaining service life and product cleanliness as well as meeting diesel fuel specifications.

We also offer comprehensive testing packages for Biodiesel, Jet Fuels and Marine Bunker Fuels.

Test Packages



# Diesel Fuel Test Packages

www.foilabs.com

## ASTM D975-10b Modified

Test	Method	Volume
Ash	ASTM D482	1000 ml
Carbon Residue	ASTM D4530-07	
Cetane Index (calculated)*	ASTM D976-01	
Cloud Point or CFPP	ASTM D2500-99	
Conductivity	ASTM D2624	
Corrosion Copper Strip	ASTM D130-04	
Distillation, 90% Recovery	ASTM D86-10	
Flash Point	ASTM D93-10	
Kinematic Viscosity @ 40C	ASTM D445	
Lubricity	ASTM D6079	
Sulfur Content by UV Fluorescence	ASTM D5453-03a	
Water & Sediment	ASTM D2709	

## ASTM D975-10b Full

Test	Method	Volume
Ash	ASTM D482	2000 ml
Carbon Residue	ASTM D4530-07	
Cetane Index Number*	ASTM D613	
Cloud Point or CFPP	ASTM D2500-99	
Conductivity	ASTM D2624	
Corrosion Copper Strip	ASTM D130-04	
Distillation, 90% Recovery	ASTM D86-10	
Flash Point	ASTM D93-10	
Kinematic Viscosity @ 40C	ASTM D445	
Lubricity	ASTM D6079	
Sulfur Content by UV Fluorescence	ASTM D5453-03a	
Water & Sediment	ASTM D2709	

## LSD100 Basic Package

Test	Method	Volume
Filter Patch Test	FOB1853	500 ml
Flash Point	ASTM D93-10	
Microbial Growth		
Visual Appearance	ASTM D4176-09	
Water by Karl Fischer	ASTM D6304-07	

## CEL102 Value Assurance

Test	Method	Volume
Dissolved Water by K.F.	ASTM D6304-07	500 ml
Distillation, 90% Recovery	ASTM D86-10	
Flash Point	ASTM D93-10	
Microbial		

## LSD102 Essential Diagnostics

Test	Method	Volume
Dissolved Water by K.F.	ASTM D6304-07	500 ml
Distillation, 90% Recovery	ASTM D86-10	
Flash Point	ASTM D93-10	
Microbial		
Sulfur Content by UV Fluorescence	ASTM D5453-03a	
Visual Appearance	ASTM D4176-09	

## LSD103 Premium Diagnostics

Test	Method	Volume
API Gravity	ASTM D1298-99	500 ml
Cetane Index	ASTM D976-04	
Corrosion Copper Strip	ASTM D130-04	
Dissolved Water by K.F.	ASTM D6304-07	
Distillation, 90% Recovery	ASTM D86-10	
Flash Point	ASTM D93-10	
Microbial		
Sulfur Content by UV Fluorescence	ASTM D5453-03a	
Visual Appearance	ASTM D4176-09	
Water Sediment	ASTM D2709	

## Coolant Packages

### Basic Coolant Analysis

Test	Volume
Color	4 oz
Freeze Point	
Glycol	
Nitrates	
ph	
Total Dissolved Solids (TDS)	
Visual Appearance	

If you would like more information on our Biodiesel testing capabilities, or any of our other comprehensive testing packages for Diesel, Jet Fuels and Marine Bunker Fuels, please contact us at [360-546-3835](tel:360-546-3835) today.

You can also visit us on the web at [www.foilabs.com](http://www.foilabs.com).

## Ask about our Mobile Fuel App Today!

