



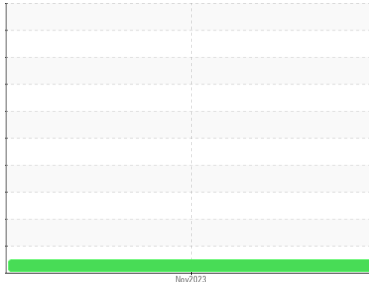
FUEL REPORT

Sample Rating Trend

NORMAL



Area
Store 8 - Pikeville
 Machine Id
NOT GIVEN LECP161100
 Component
Diesel Fuel
 Fluid
OFF ROAD DIESEL (2000 GAL)



DIAGNOSIS

Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

Corrosion

All metal levels are normal indicating no corrosion in the system.

Contaminants

There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible. There is no indication of any contamination in the fuel. The amount and size of particulates present in the system are acceptable.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		LECP161100	---	---
Sample Date	Client Info		13 Nov 2023	---	---
Machine Age	hrs	Client Info	0	---	---
Sample Status			NORMAL	---	---

PHYSICAL PROPERTIES

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		0.853	---	---
Fuel Color	text	*Visual Screen	Red	---	---
ASTM Color	scalar	*ASTM D1500	L4.5	---	---
Visc @ 40°C	cSt	ASTM D445	2.53	---	---

SULFUR CONTENT

	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	0	---	---
Sulfur (UVF)	ppm	ASTM D5453	9	---	---

DISTILLATION

	method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	162	---	---
5% Distillation Point	°C	ASTM D86	187	---	---
10% Distill Point	°C	ASTM D86	200	---	---
15% Distillation Point	°C	ASTM D86	210	---	---
20% Distill Point	°C	ASTM D86	218	---	---
30% Distill Point	°C	ASTM D86	232	---	---
40% Distill Point	°C	ASTM D86	247	---	---
50% Distill Point	°C	ASTM D86	262	---	---
60% Distill Point	°C	ASTM D86	277	---	---
70% Distill Point	°C	ASTM D86	291	---	---
80% Distill Point	°C	ASTM D86	306	---	---
85% Distillation Point	°C	ASTM D86	315	---	---
90% Distill Point	°C	ASTM D86	326	---	---
95% Distillation Point	°C	ASTM D86	344	---	---
Final Boiling Point	°C	ASTM D86	355	---	---
Distillation Residue	%	ASTM D86	1.4	---	---
Distillation Loss	%	ASTM D86	0.7	---	---

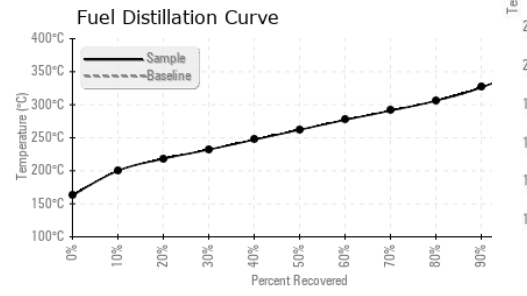
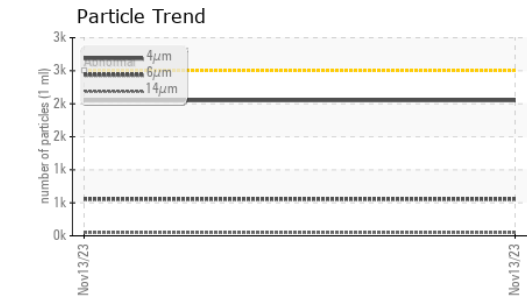
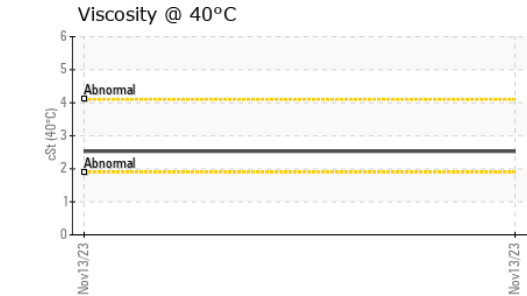
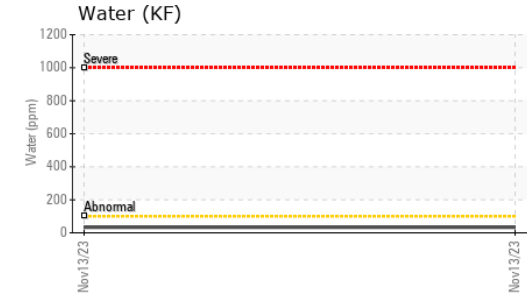
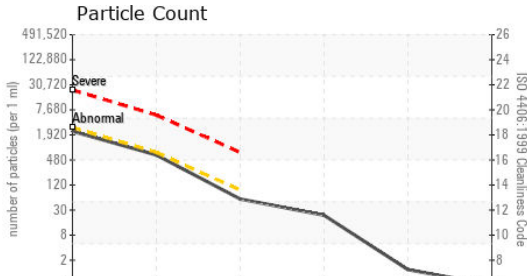
IGNITION QUALITY

	method	limit/base	current	history1	history2
API Gravity	ASTM D7777		34.4	---	---
Cetane Index	ASTM D4737	<40.0	44.1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	---
Sodium	ppm	ASTM D5185m	<0.1	0	---
Potassium	ppm	ASTM D5185m	<0.1	1	---
Water	%	ASTM D6304	<0.05	0.003	---
ppm Water	ppm	ASTM D6304	<500	33.4	---
% Gasoline	%	*In-House	<0.50	0.0	---
% Biodiesel	%	*In-House	<20.0	0.0	---

FUEL REPORT

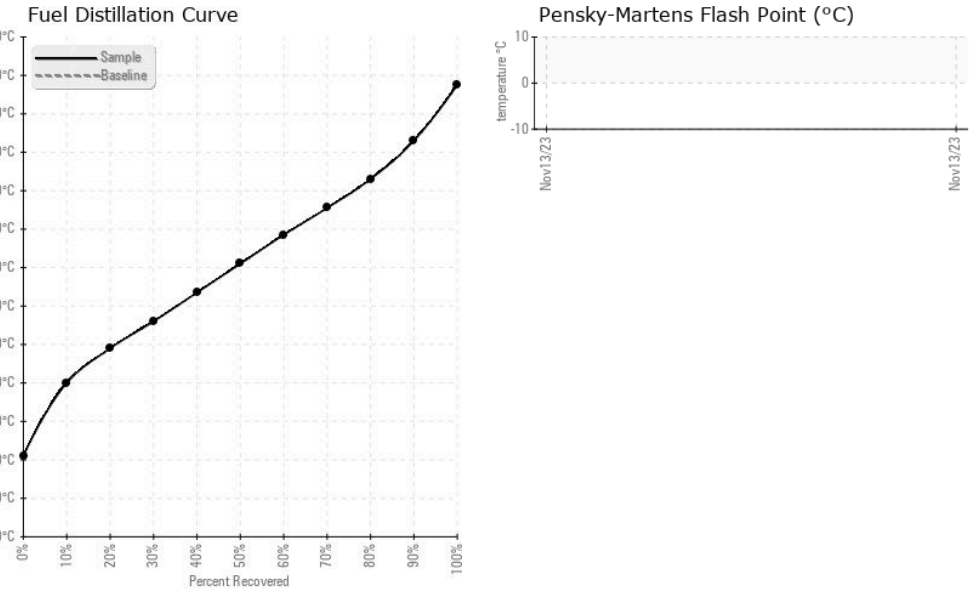


FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	2050	---	---
Particles >6µm	ASTM D7647	>640	556	---	---
Particles >14µm	ASTM D7647	>80	49	---	---
Particles >21µm	ASTM D7647	>20	20	---	---
Particles >38µm	ASTM D7647	>4	1	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	18/16/13	---	---

HEAVY METALS	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m <0.1	2	---	---
Nickel	ppm	ASTM D5185m <0.1	<1	---	---
Lead	ppm	ASTM D5185m <0.1	<1	---	---
Vanadium	ppm	ASTM D5185m <0.1	0	---	---
Iron	ppm	ASTM D5185m <0.1	0	---	---
Calcium	ppm	ASTM D5185m <0.1	3	---	---
Magnesium	ppm	ASTM D5185m <0.1	1	---	---
Phosphorus	ppm	ASTM D5185m <0.1	0	---	---
Zinc	ppm	ASTM D5185m <0.1	0	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LECP161100 **Received** : 20 Nov 2023
Lab Number : **06012898** **Diagnosed** : 07 Dec 2023
Unique Number : 10752042 **Diagnostician** : Doug Bogart
Test Package : DF-1 (Additional Tests: PQ, Screen)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendallLeanne@lec1.com
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 F: (740)373-5570

Certificate L2367
 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)