



LIEBHERR

FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
FUEL CONDITION	NORMAL

Machine Id
111447
Component
Diesel Fuel
Fluid
DIESEL FUEL No. 2 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0104801	---	---
Sample Date		Client Info		16 Mar 2023	---	---
Machine Age	hrs	Client Info		355	---	---
Sample Status				NORMAL	---	---

CORROSION

{not applicable}

Aluminum	ppm	ASTM D5185(m)	<0.1	0	---	---
Nickel	ppm	ASTM D5185(m)	<0.1	0	---	---
Lead	ppm	ASTM D5185(m)	<0.1	0	---	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---	---
Iron	ppm	ASTM D5185(m)	<0.1	<1	---	---

CONTAMINANTS

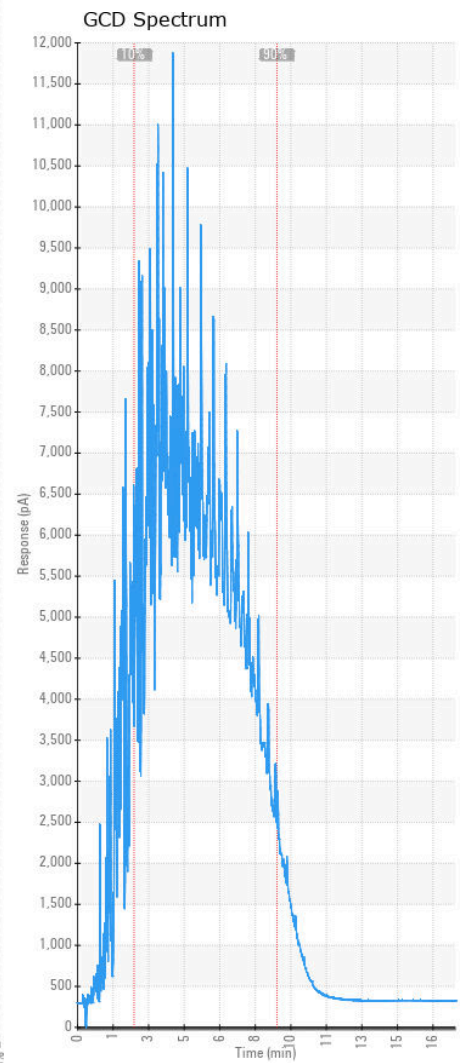
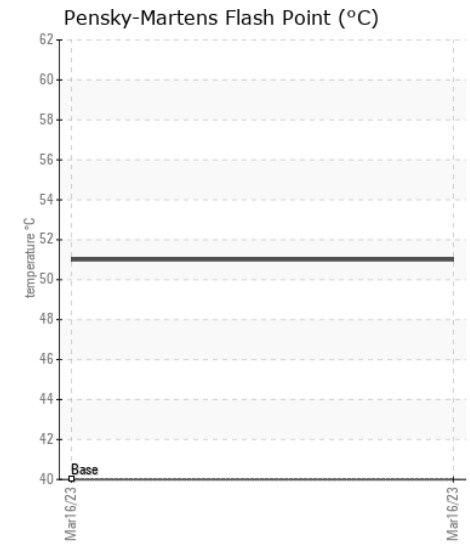
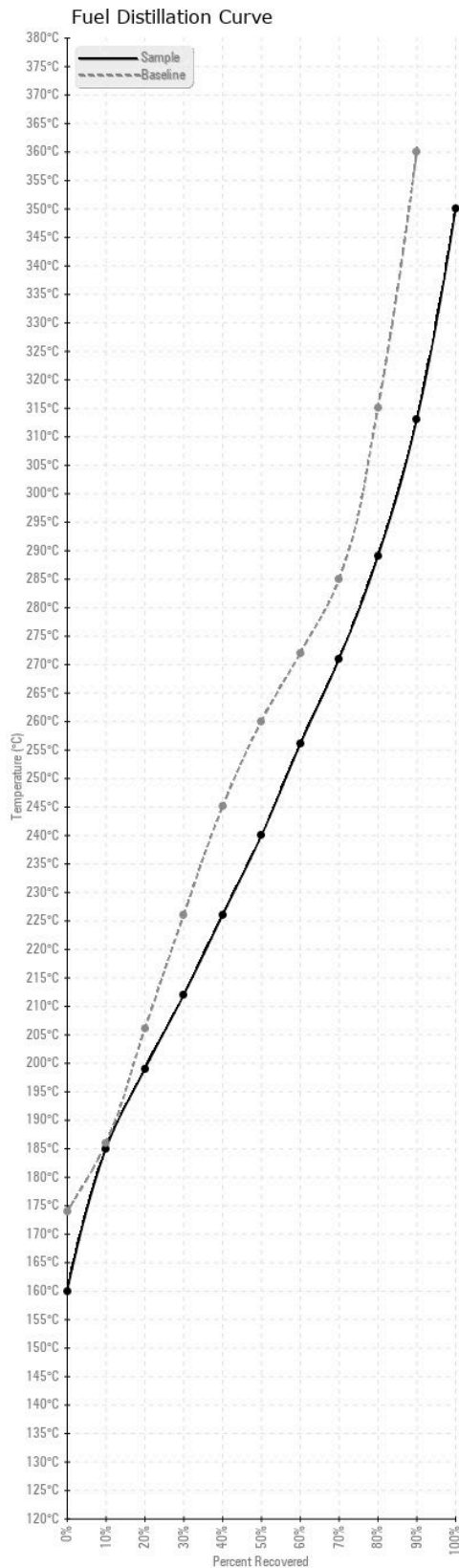
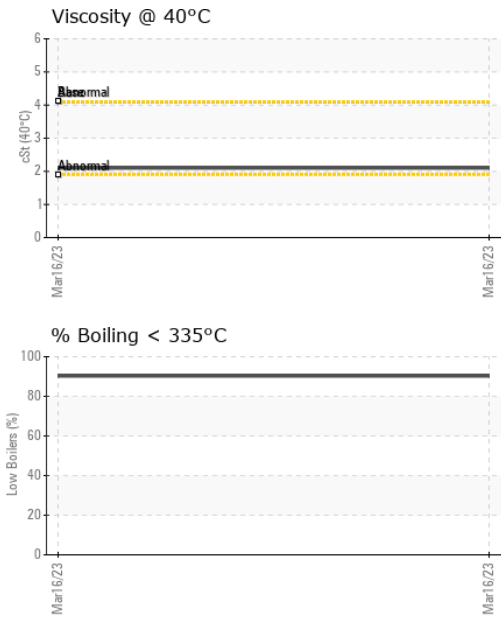
There is no indication of any contamination in the fuel.

Silicon	ppm	ASTM D5185(m)	<1.0	0	---	---
Sodium	ppm	ASTM D5185(m)	<0.1	<1	---	---
Potassium	ppm	ASTM D5185(m)	<0.1	0	---	---
Calcium	ppm	ASTM D5185(m)	<0.1	<1	---	---
Magnesium	ppm	ASTM D5185(m)	<0.1	<1	---	---
Phosphorus	ppm	ASTM D5185(m)	<0.1	<1	---	---
Zinc	ppm	ASTM D5185(m)	<0.1	<1	---	---

FUEL CONDITION

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).

Visc @ 40°C	cSt	ASTM D7279(m)	4.1	2.1	---	---
Pensky-Martens Flash Point	°C	ASTM D93	40	51	---	---
Sulfur	ppm	ASTM D5185(m)		6	---	---
Initial Boiling Point	°C	ASTM D2887	174	160	---	---
10% Distill Point	°C	ASTM D2887	186	185	---	---
20% Distill Point	°C	ASTM D2887	206	199	---	---
30% Distill Point	°C	ASTM D2887	226	212	---	---
40% Distill Point	°C	ASTM D2887	245	226	---	---
50% Distill Point	°C	ASTM D2887	260	240	---	---
60% Distill Point	°C	ASTM D2887	272	256	---	---
70% Distill Point	°C	ASTM D2887	285	271	---	---
80% Distill Point	°C	ASTM D2887	315	289	---	---
90% Distill Point	°C	ASTM D2887	360	313	---	---
Final Boiling Point	°C	ASTM D2887	>360	350	---	---
Cetane Value		ASTM D4737	<40.0	45	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC1234567 **Received** : 22 Mar 2023
Lab Number : 01234567 **Diagnosed** : 22 Mar 2023
Unique Number : 12345678 **Diagnostician** : Bill Quesnel
Test Package : TEST (Additional Tests: API, CC FLASH, Cetane, Fuel, GC-PercFuel, GCD, ICP, KV40, Spat, SpecGravity
To discuss this sample report, contact Customer Service at 1-800-268-2131.
(m) Denotes a modified test method, (e) Denotes a test conducted using an external laboratory.
Validity of results and interpretation are based on the sample and information as supplied.

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