



# FUEL REPORT

Sample Rating Trend

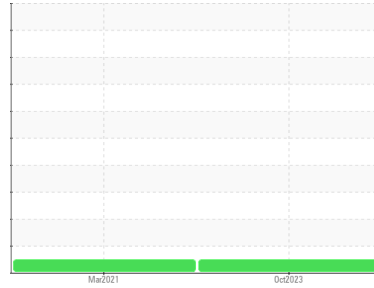
**NORMAL**



Machine Id  
**141751 - SIMS USA**

Component  
**Diesel Fuel**

Fluid  
**NOT GIVEN (3963 GAL)**



## DIAGNOSIS

### Recommendation

This is a baseline read-out on the submitted sample. No corrective action is recommended at this time.

### Corrosion

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

### Contaminants

The water content is negligible. There is no indication of any contamination in the fuel.

### Fuel Condition

The condition of the fuel is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>LM0000512</b>	LMDF04203	---
Sample Date	Client Info			<b>30 Oct 2023</b>	28 Mar 2021	---
Machine Age	hrs	Client Info		<b>9915</b>	0	---
Sample Status				<b>NORMAL</b>	NORMAL	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		<b>2.44</b>	2.36	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		<b>9</b>	11	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<b>0</b>	<1	---
Sodium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	---
Potassium	ppm	ASTM D5185m	<0.1	<b>0</b>	1	---
Water	%	ASTM D6304	<0.05	<b>0.003</b>	0.003	---
ppm Water	ppm	ASTM D6304	<500	<b>39.0</b>	30.1	---

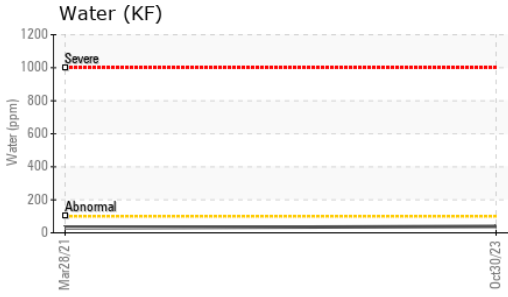
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	<0.1	<b>0</b>	0	---
Lead	ppm	ASTM D5185m	<0.1	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m	<0.1	<b>0</b>	2	---
Iron	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	---
Calcium	ppm	ASTM D5185m	<0.1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

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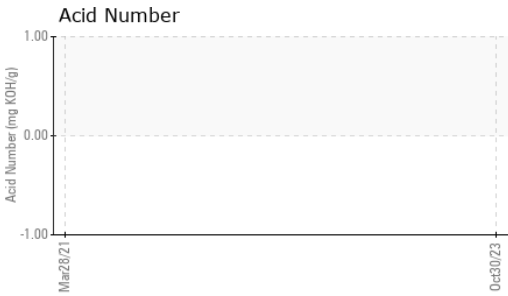
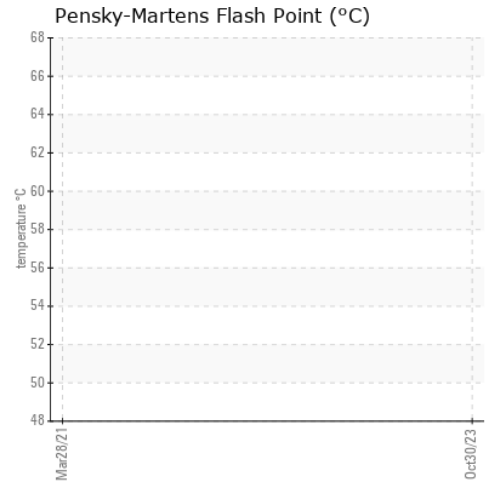
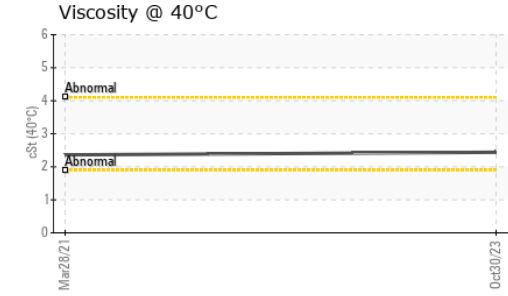
Color						no image
Bottom						no image



# FUEL REPORT



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LM0000512     **Received** : 06 Nov 2023  
**Lab Number** : 06000174     **Diagnosed** : 09 Nov 2023  
**Unique Number** : 10728534     **Diagnostician** : Jonathan Hester  
**Test Package** : CONST ( Additional Tests: KF, SCREEN )

**LIEBHERR USA CO - Maritime Cranes**  
 15101 NW 112TH AVE  
 HIALEAH GARDENS, FL  
 US 33018  
 Contact: RONNY FUNK  
 ronny.funk@liebherr.com  
 T: (305)817-7566  
 F:

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)