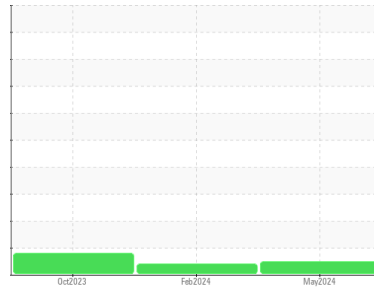




# PROBLEM SUMMARY

## Sample Rating Trend



WATER



Machine Id

## LIEBHERR LR1300 CR3303

Component

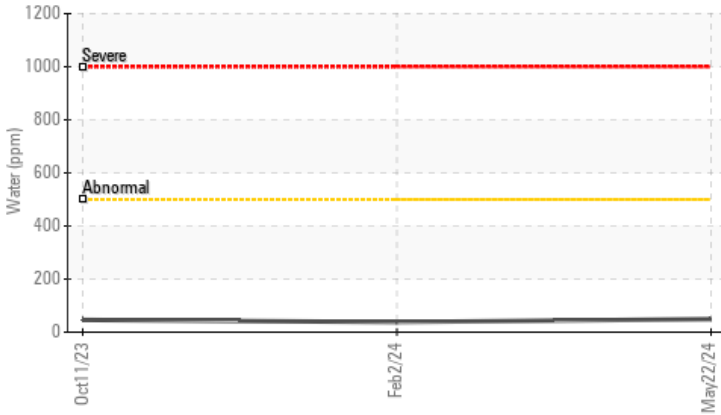
### Diesel Fuel

Fluid

### No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

## COMPONENT CONDITION SUMMARY

### ▲ Water (KF)



## RECOMMENDATION

This is a baseline read-out on the submitted sample.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>SEVERE</b>	ABNORMAL	ABNORMAL
Water	%	ASTM D6304	<0.05	<b>▲ 0.004</b>	0.003	0.004

Customer Id: BUCGRA  
 Sample No.: WC0935868  
 Lab Number: 06193468  
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Jonathan Hester +1 919-379-4092 x4092  
[jhester@wearcheckusa.com](mailto:jhester@wearcheckusa.com)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

### VIS DEBRIS



#### 02 Feb 2024 Diag: Jonathan Hester

The filter change at the time of sampling has been noted. All metal levels are normal indicating no corrosion in the system. Moderate concentration of visible dirt/debris present in the fuel. The water content is negligible. The condition of the fuel is acceptable for the time in service.

view report



### SEDIMENT



#### 11 Oct 2023 Diag: Jonathan Hester

This is a baseline read-out on the submitted sample. We recommend you service the filters on this component. All metal levels are normal indicating no corrosion in the system. Moderate concentration of visible dirt/debris present in the fuel. The water content is negligible. The condition of the fuel is acceptable for the time in service.

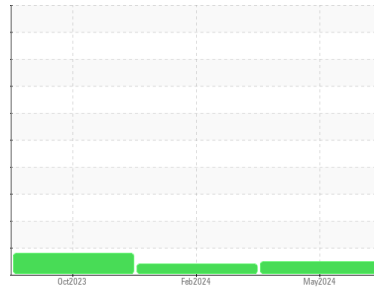
view report





# FUEL REPORT

## Sample Rating Trend



WATER



Machine Id

## LIEBHERR LR1300 CR3303

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

### DIAGNOSIS

#### ▲ Recommendation

This is a baseline read-out on the submitted sample.

#### 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>WC0935868</b>	WC0893161	WC0784825
Sample Date	Client Info			<b>22 May 2024</b>	02 Feb 2024	11 Oct 2023
Machine Age	hrs	Client Info		<b>10221</b>	9669	9228
Sample Status				<b>SEVERE</b>	ABNORMAL	ABNORMAL

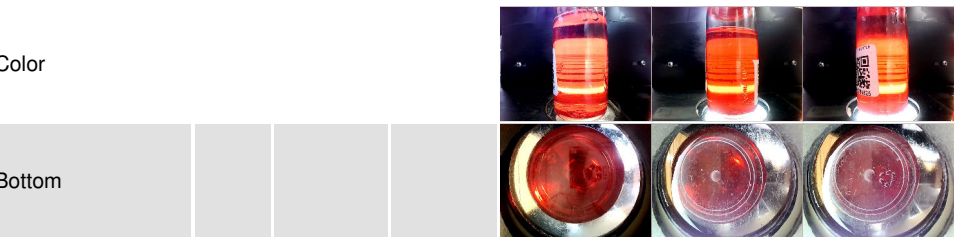
PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	3.0	<b>2.27</b>	2.69	2.64

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	<b>39</b>	62	8

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<b>0</b>	0	0
Sodium	ppm	ASTM D5185m	<0.1	<b>2</b>	<1	<1
Potassium	ppm	ASTM D5185m	<0.1	<b>2</b>	<1	0
Water	%	ASTM D6304	<0.05	<b>▲ 0.004</b>	0.003	0.004
ppm Water	ppm	ASTM D6304	<500	<b>49</b>	38	46.2

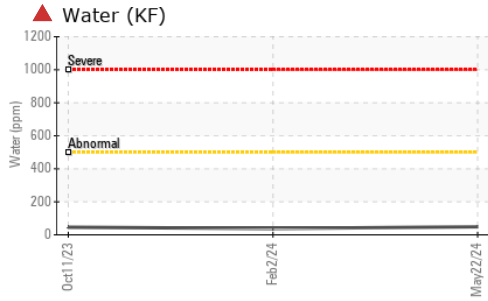
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	0
Lead	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Iron	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	0
Calcium	ppm	ASTM D5185m	<0.1	<b>2</b>	3	0
Magnesium	ppm	ASTM D5185m	<0.1	<b>1</b>	0	0
Phosphorus	ppm	ASTM D5185m	<0.1	<b>0</b>	6	2
Zinc	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	2	0

SAMPLE IMAGES		method	limit/base	current	history1	history2
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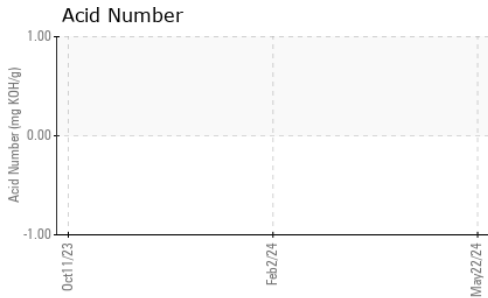
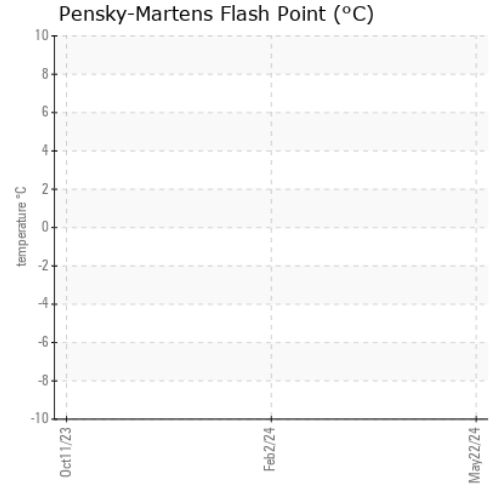
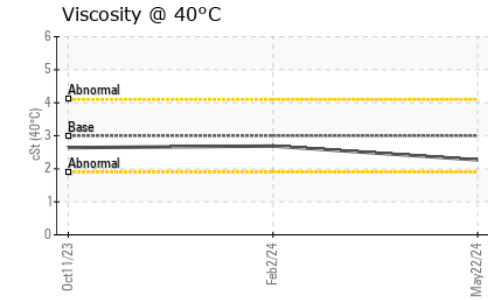




# FUEL REPORT



## GRAPHS



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)

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0935868      **Received** : 28 May 2024  
**Lab Number** : 06193468      **Tested** : 05 Jun 2024  
**Unique Number** : 11050220      **Diagnosed** : 05 Jun 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: KF )

**BUCKNER HEAVY LIFT**  
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