



# OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

**ABNORMAL**

**NORMAL**

**NORMAL**



Machine Id  
**MACK RO-31**  
Component  
**Transmission**  
Fluid  
**{not provided} (--- GAL)**

## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0875540</b>	---	---
Sample Date		Client Info		<b>14 May 2024</b>	---	---
Machine Age	hrs	Client Info		<b>22368</b>	---	---
Oil Age	hrs	Client Info		<b>1500</b>	---	---
Filter Age	hrs	Client Info		<b>1500</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

## WEAR

The aluminum level is abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>320	<b>70</b>	---	---
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m	>50	<b>▲ 56</b>	---	---
Lead	ppm	ASTM D5185m	>65	<b>16</b>	---	---
Copper	ppm	ASTM D5185m	>95	<b>24</b>	---	---
Tin	ppm	ASTM D5185m	>6	<b>6</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

## CONTAMINATION

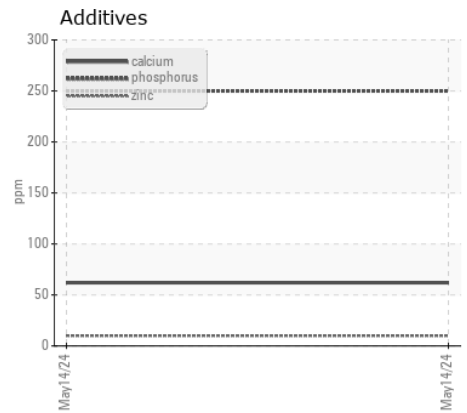
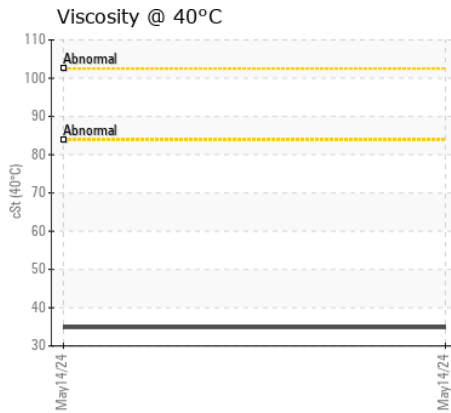
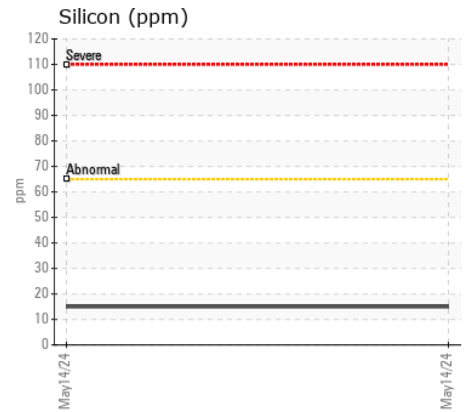
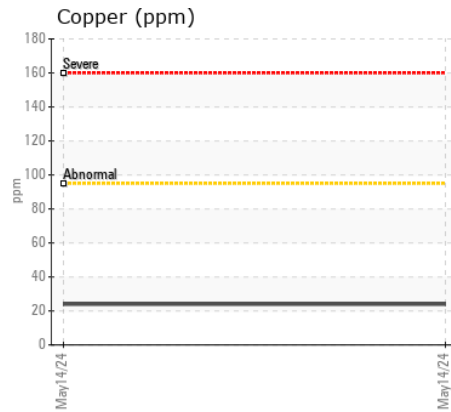
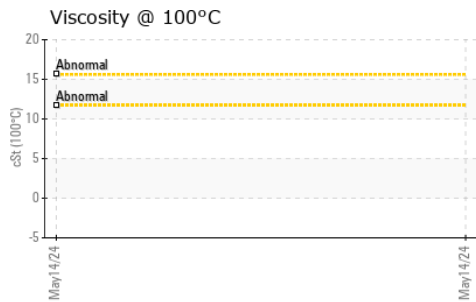
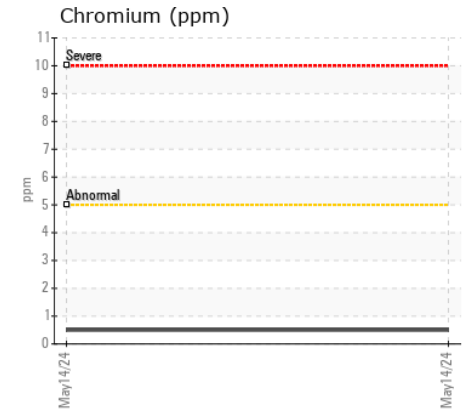
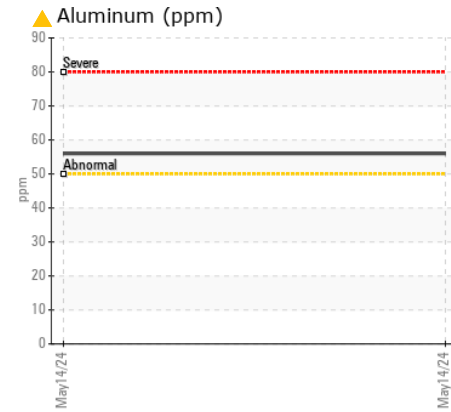
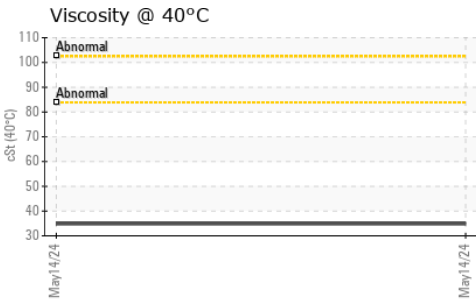
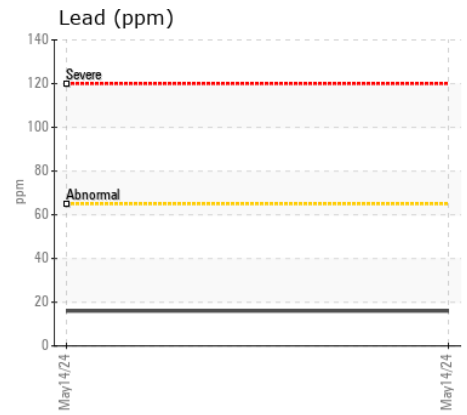
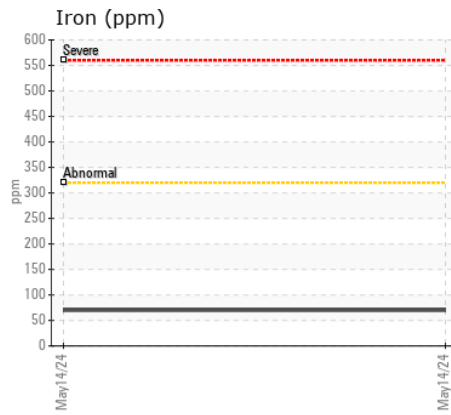
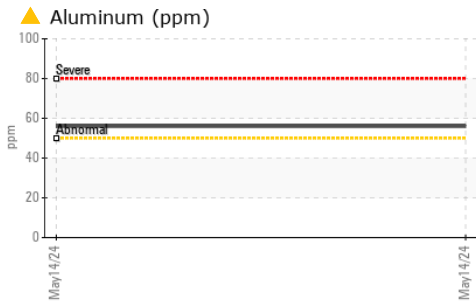
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>65	<b>15</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>9</b>	---	---
Boron	ppm	ASTM D5185m		<b>121</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>1</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>5</b>	---	---
Calcium	ppm	ASTM D5185m		<b>62</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>250</b>	---	---
Zinc	ppm	ASTM D5185m		<b>10</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>1626</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>34.86</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0875540 **Received** : 23 May 2024  
**Lab Number** : 06189641 **Tested** : 03 Jun 2024  
**Unique Number** : 11046393 **Diagnosed** : 03 Jun 2024 - Jonathan Hester  
**Test Package** : MOB 1 ( Additional Tests: FT-IR, KV100 )

**OAKRIDGE WASTE**  
 307 WHITE ST  
 DANBURY, CT  
 US 06810

Contact: CHRIS CONTI  
 chris.conti@oakridgewaste.com

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)

T:  
 F: