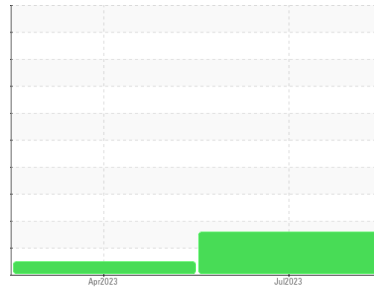




# PROBLEM SUMMARY

Sample Rating Trend



VISUAL METAL



Machine Id  
**MLU-2**  
 Component  
**Outboard Pump**  
 Fluid  
**ROYAL PURPLE SYNFILM GT 32 (--- GAL)**

## COMPONENT CONDITION SUMMARY

No relevant graphs to display

## RECOMMENDATION

We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	---
Yellow Metal	scalar	*Visual	NONE	▲ MODER	NONE	---
Debris	scalar	*Visual	NONE	▲ MODER	NONE	---

Customer Id: ENELONRP  
 Sample No.: RP0032074  
 Lab Number: 05927329  
 Test Package: IND 2



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

**30 Apr 2023 Diag: Jonathan Hester**

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

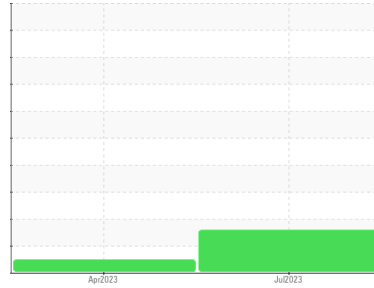
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



**VISUAL METAL**



Machine Id  
**MLU-2**  
 Component  
**Outboard Pump**  
 Fluid  
**ROYAL PURPLE SYNFILM GT 32 (--- GAL)**

**DIAGNOSIS**

**Recommendation**

We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

**Wear**

Moderate concentration of visible metal present. All component wear rates are normal.

**Contamination**

Moderate concentration of visible dirt/debris present in the oil. The water content is negligible.

**Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>RP0032074</b>	RP0027412	---
Sample Date	Client Info			<b>31 Jul 2023</b>	30 Apr 2023	---
Machine Age	hrs	Client Info		<b>0</b>	0	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>N/A</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	<b>17</b>	12	---
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>7	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m	>12	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>30	<b>9</b>	2	---
Tin	ppm	ASTM D5185m	>9	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>88</b>	87	---
Calcium	ppm	ASTM D5185m		<b>2</b>	<1	---
Phosphorus	ppm	ASTM D5185m		<b>2</b>	1	---
Zinc	ppm	ASTM D5185m		<b>0</b>	0	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	<b>&lt;1</b>	<1	---
Sodium	ppm	ASTM D5185m		<b>4</b>	<1	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Water	%	ASTM D6304		<b>0.020</b>	0.027	---
ppm Water	ppm	ASTM D6304	>.1	<b>205.4</b>	270.9	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.36</b>	0.40	---




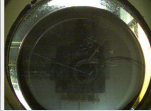
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual		<b>NEG</b>	NEG	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---

# OIL ANALYSIS REPORT

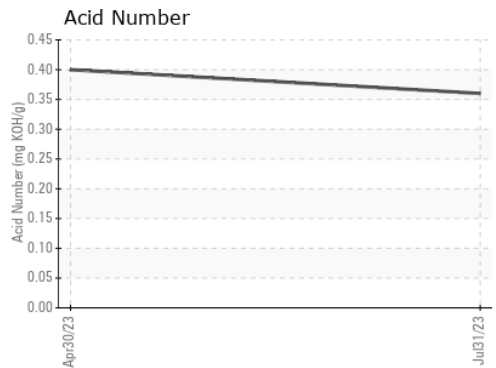
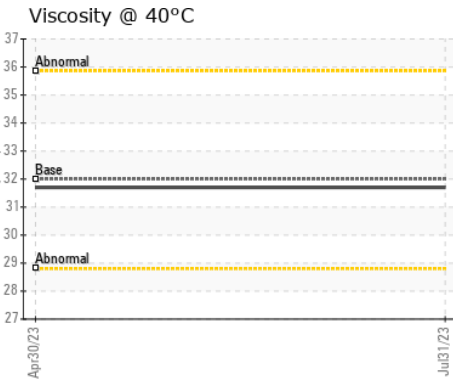
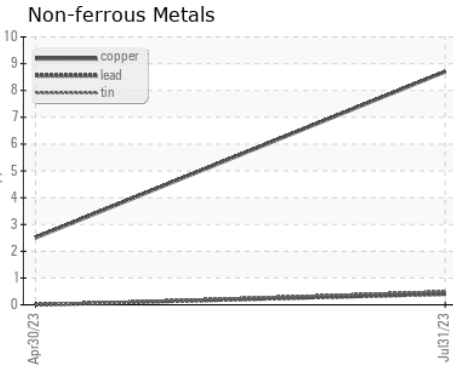
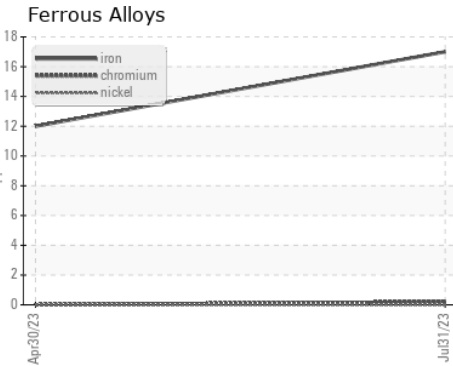
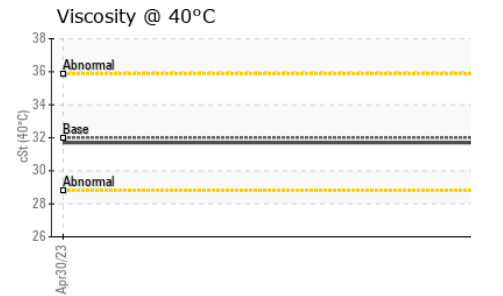
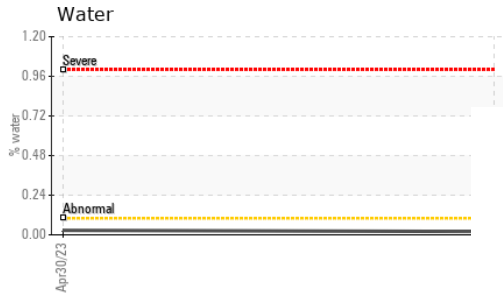
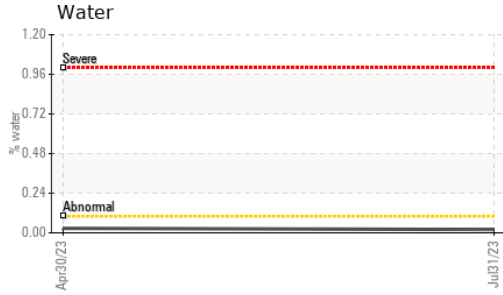
**FLUID PROPERTIES**

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	<b>31.7</b>	31.7	---

**SAMPLE IMAGES**

method	limit/base	current	history1	history2
Color				
Bottom				

**GRAPHS**



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0032074  
**Lab Number** : 05927329  
**Unique Number** : 10607276  
**Test Package** : IND 2

**ENERGY TRANSFER - LONGVIEW**  
 1010 COX DIARY RD  
 LONGVIEW, TX  
 US 75601  
 Contact: Service Manager

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: