



# PROBLEM SUMMARY

Sample Rating Trend

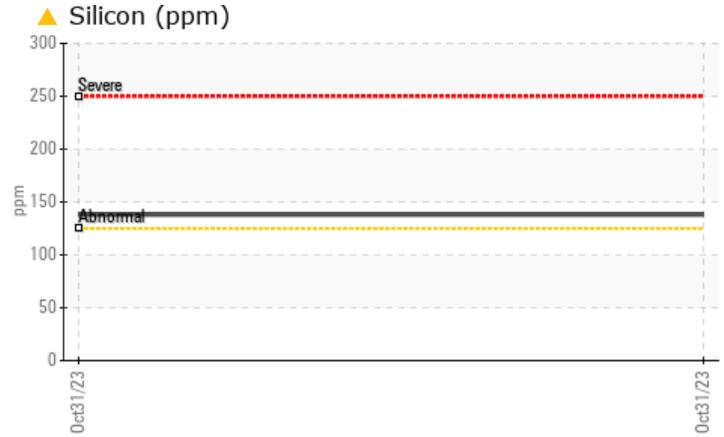
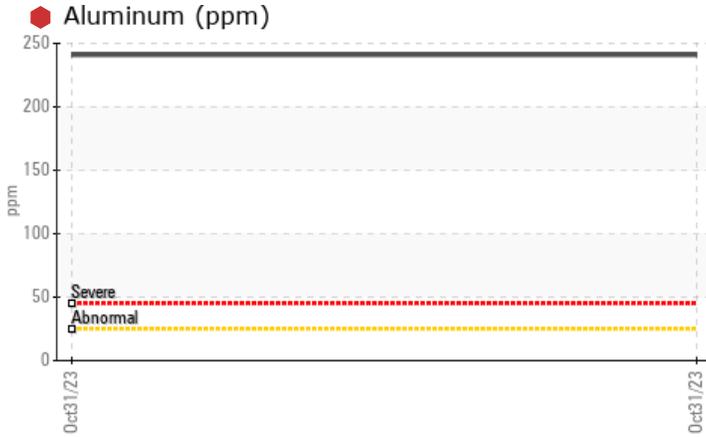
WEAR



Machine Id  
**X024118**  
Component  
**Transmission (Manual)**  
Fluid  
**NOT GIVEN (--- QTS)**



## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>241</b>	---	---
Silicon	ppm	ASTM D5185m	>125	<b>138</b>	---	---

Customer Id: LTILYN  
Sample No.: WCMFB85550  
Lab Number: 05996093  
Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

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

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Change Fluid	---	---	?	We recommend that you drain the fluid and perform a filter service on this component if not already done.
Change Filter	---	---	?	We recommend that you drain the fluid and perform a filter service on this component if not already done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Information Required	---	---	?	Please specify the brand, type, and viscosity of the oil on your next sample.
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id  
**X024118**  
 Component  
**Transmission (Manual)**  
 Fluid  
**NOT GIVEN (--- QTS)**



## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

### Wear

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

### Contamination

Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WCMFB85550	---	---
Sample Date	Client Info		31 Oct 2023	---	---
Machine Age	mls	Client Info	0	---	---
Oil Age	mls	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			SEVERE	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	112	---
Chromium	ppm	ASTM D5185m	>5	<1	---
Nickel	ppm	ASTM D5185m	>5	0	---
Titanium	ppm	ASTM D5185m		<1	---
Silver	ppm	ASTM D5185m	>7	0	---
Aluminum	ppm	ASTM D5185m	>25	241	---
Lead	ppm	ASTM D5185m	>45	0	---
Copper	ppm	ASTM D5185m	>225	23	---
Tin	ppm	ASTM D5185m	>10	<1	---
Vanadium	ppm	ASTM D5185m		0	---
Cadmium	ppm	ASTM D5185m		0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		246	---
Barium	ppm	ASTM D5185m		5	---
Molybdenum	ppm	ASTM D5185m		1	---
Manganese	ppm	ASTM D5185m		5	---
Magnesium	ppm	ASTM D5185m		3	---
Calcium	ppm	ASTM D5185m		61	---
Phosphorus	ppm	ASTM D5185m		1080	---
Zinc	ppm	ASTM D5185m		22	---
Sulfur	ppm	ASTM D5185m		916	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	138	---
Sodium	ppm	ASTM D5185m		10	---
Potassium	ppm	ASTM D5185m	>20	4	---

## VISUAL

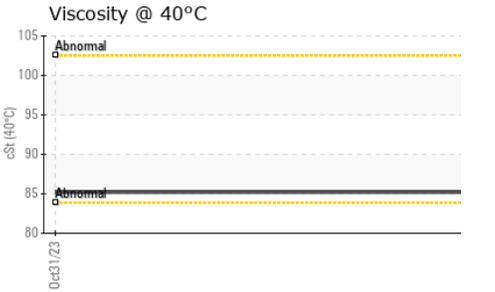
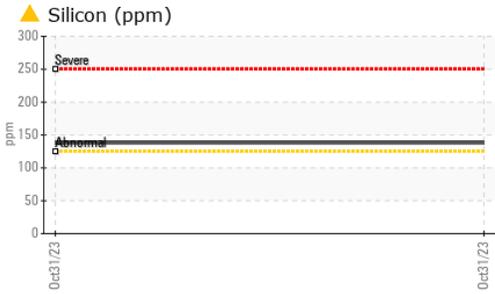
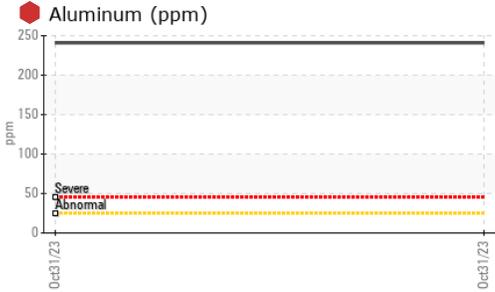
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

## FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		85.2	---

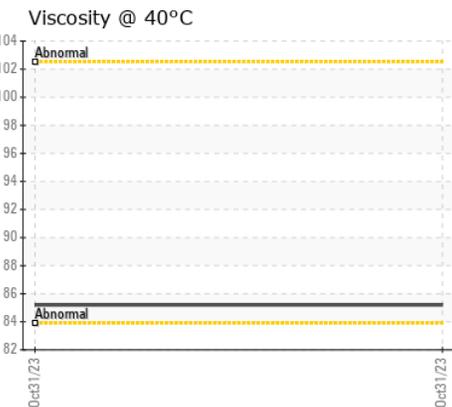
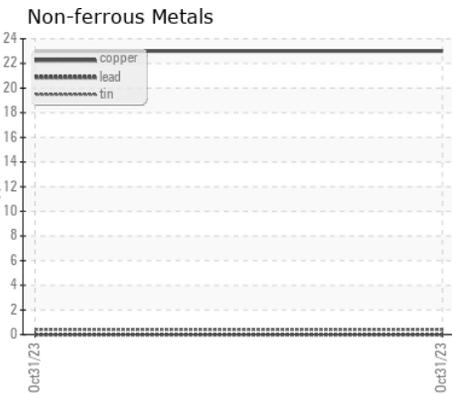
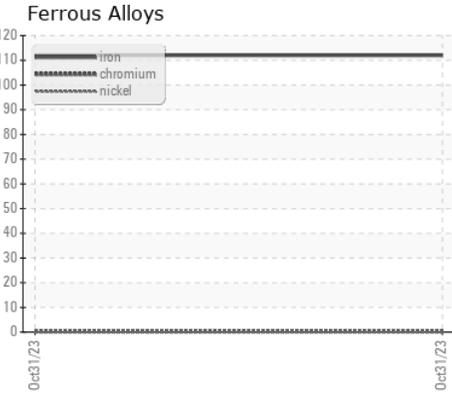


# OIL ANALYSIS REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WCMFB85550 **Received** : 01 Nov 2023  
**Lab Number** : 05996093 **Diagnosed** : 03 Nov 2023  
**Unique Number** : 10724453 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET

**LTI/MILKY WAY - MOUNT VERNON**  
 3814 OLD HWY 99 S RD  
 MOUNT VERNON, WA  
 US 98273  
 Contact: JOHN VAN WINGERDEN  
 jvw@lynden.com  
 T: (360)354-2101  
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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)