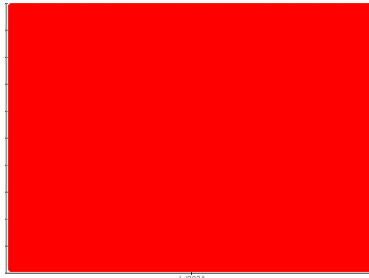




# PROBLEM SUMMARY

Sample Rating Trend

WEAR

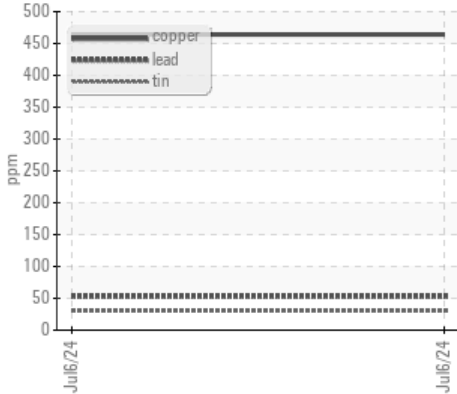


Machine Id  
**K2 P2 NW**  
Component  
**Bearing**

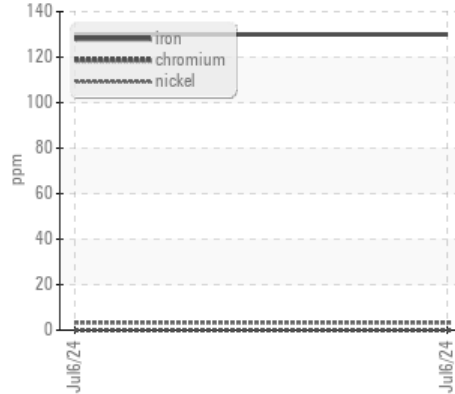
Fluid  
**MOBIL MOBILGEAR SHC 1500 (40 LTR)**

## COMPONENT CONDITION SUMMARY

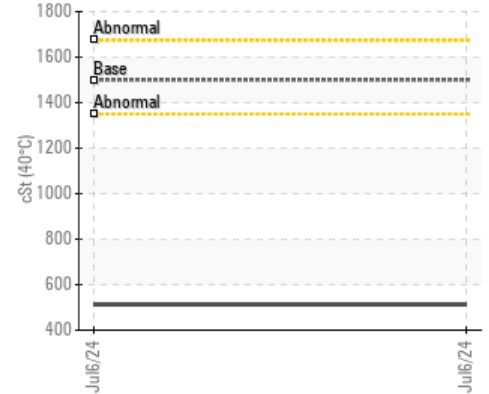
### ▲ Non-ferrous Metals



### ▲ Ferrous Alloys



### ▲ Viscosity @ 40°C



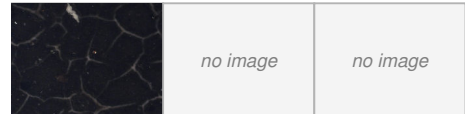
## RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185(m)	>20	▲ 130	---	---
Lead	ppm	ASTM D5185(m)	>20	▲ 53	---	---
Copper	ppm	ASTM D5185(m)	>20	▲ 464	---	---
Tin	ppm	ASTM D5185(m)	>20	▲ 30	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	1500	▲ 513	---	---

PrtFilter



Customer Id: CARDUN  
Sample No.: WC0959800  
Lab Number: 02647705  
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Kevin Marson +1 (289)291-4644 x4644  
[Kevin.Marson@wearcheck.com](mailto:Kevin.Marson@wearcheck.com)

To change component or sample information:  
Gloria Gonzalez +1 (289)291-4643 x4643  
[gloria.gonzalez@wearcheck.com](mailto:gloria.gonzalez@wearcheck.com)

## RECOMMENDED ACTIONS

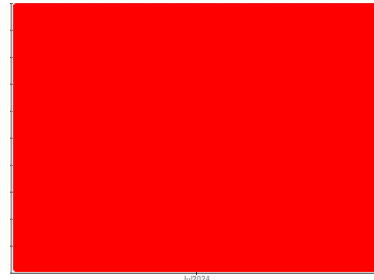
Action	Status	Date	Done By	Description
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id  
**K2 P2 NW**  
Component  
**Bearing**

Fluid  
**MOBIL MOBILGEAR SHC 1500 (40 LTR)**

## DIAGNOSIS

### ▲ Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

### ▲ Wear

Copper and iron and lead ppm levels are severe. Tin ppm levels are abnormal. Bearing wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

### Contamination

There is no indication of any contamination in the oil.

### ▲ Fluid Condition

Viscosity of sample indicates oil is within ISO 460 range, advise investigate. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0959800</b>	---	---
Sample Date	Client Info		<b>06 Jul 2024</b>	---	---
Machine Age	mths	Client Info	<b>4</b>	---	---
Oil Age	mths	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>SEVERE</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>2	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>71</b>	---	---
Iron	ppm	ASTM D5185(m) >20	<b>▲ 130</b>	---	---
Chromium	ppm	ASTM D5185(m) >20	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m) >20	<b>3</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m) >20	<b>1</b>	---	---
Lead	ppm	ASTM D5185(m) >20	<b>▲ 53</b>	---	---
Copper	ppm	ASTM D5185(m) >20	<b>▲ 464</b>	---	---
Tin	ppm	ASTM D5185(m) >20	<b>▲ 30</b>	---	---
Antimony	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>30</b>	---	---
Barium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>1</b>	---	---
Magnesium	ppm	ASTM D5185(m)	<b>82</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>146</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>167</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>19</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>3479</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

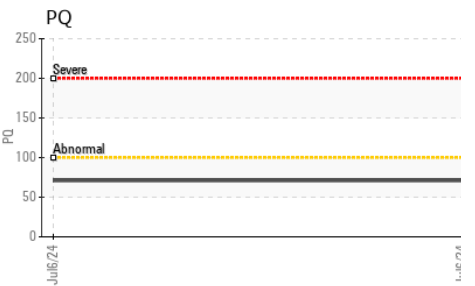
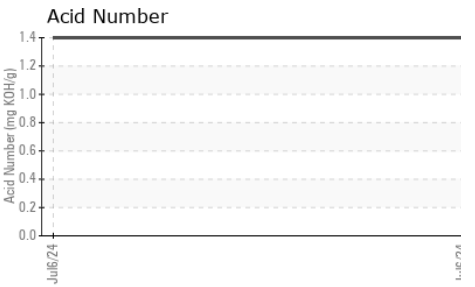
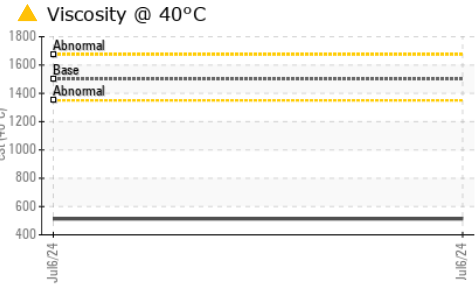
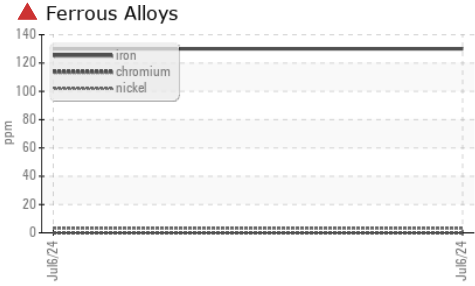
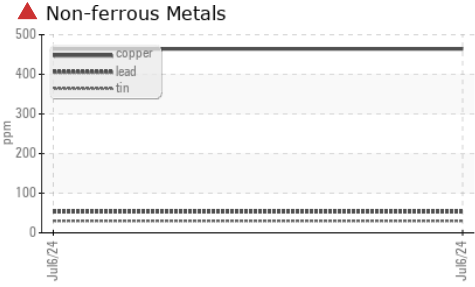
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<b>12</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>1.40</b>	---	---



# OIL ANALYSIS REPORT

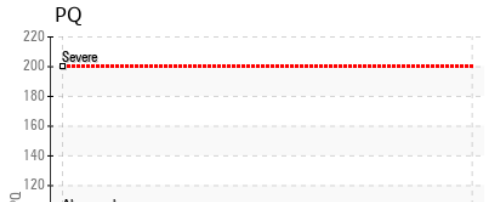
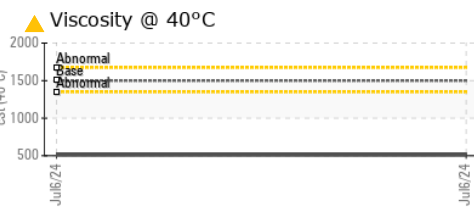
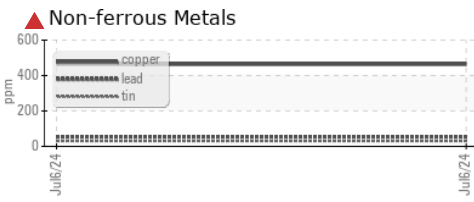


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---
Silt	scalar	Visual*	NONE	<b>LTMOD</b>	---
Debris	scalar	Visual*	NONE	<b>LIGHT</b>	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---
Emulsified Water	scalar	Visual*	>2	<b>NEG</b>	---
Free Water	scalar	Visual*		<b>NEG</b>	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	1500	<b>▲ 513</b>	---

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Carmeuse Lime (Canada) Ltd Dundas Operations**  
**Sample No.** : WC0959800 **Received** : 12 Jul 2024 **R.R. #2, 600 5 Hwy W**  
**Lab Number** : **02647705** **Tested** : 16 Jul 2024 **Dundas, ON**  
**Unique Number** : 5813257 **Diagnosed** : 16 Jul 2024 - Kevin Marson **CA L9H 5E2**  
**Test Package** : IND 2 ( Additional Tests: Bottom, BottomAnalysis, FILTERPATCH, TAN Man ) **Contact: Harsh Murria**  
**harsh.murria@carmeuse.com**

To discuss this sample report, contact Customer Service at 1-800-268-2131. **T: (905)628-7651**  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. **F:**  
 Validity of results and interpretation are based on the sample and information as supplied.