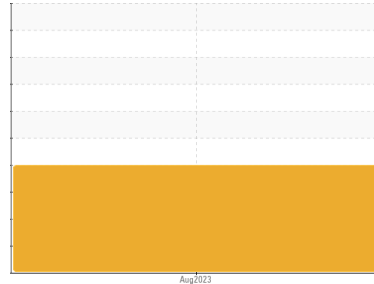




# PROBLEM SUMMARY

Area  
**[73926]**  
 Machine Id  
**DOMINATOR #1-3**  
 Component  
**Gearbox**  
 Fluid  
**NOT GIVEN (1 LTR)**

Sample Rating Trend

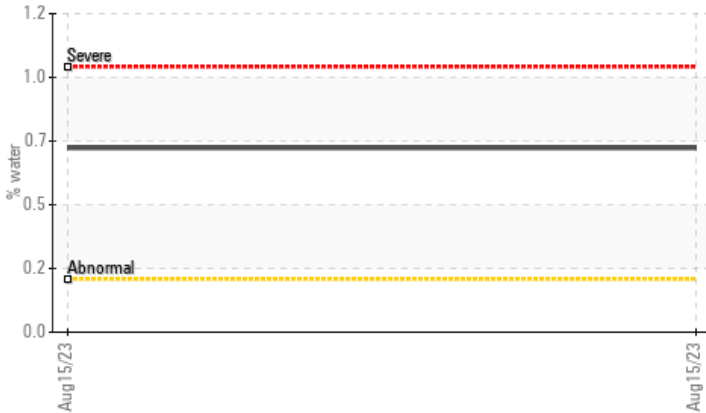


**WATER**



## COMPONENT CONDITION SUMMARY

▲ Water



## RECOMMENDATION

We advise that you check for the source of water entry. 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. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	---	---
Water	%	ASTM D6304*	>0.2	▲ <b>0.694</b>	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ <b>6945.8</b>	---	---
Appearance	scalar	Visual*	NORML	▲ <b>WGOIL</b>	---	---
Emulsified Water	scalar	Visual*	>0.2	▲ <b>1%</b>	---	---
Free Water	scalar	Visual*		▲ <b>&gt;10%</b>	---	---

Customer Id: GRA685CAM  
 Sample No.: WC0829256  
 Lab Number: 02576620  
 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.
Information Required	---	---	?	Please specify the brand, type, and viscosity of the oil on your next sample. Please specify the component make and model with your next sample.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

## HISTORICAL DIAGNOSIS

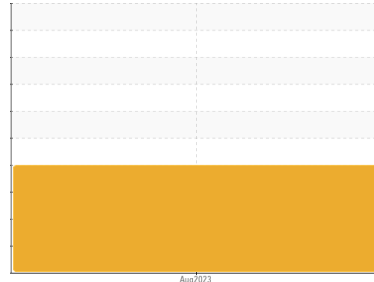


# OIL ANALYSIS REPORT

Sample Rating Trend

**WATER**

Area  
**[73926]**  
 Machine Id  
**DOMINATOR #1-3**  
 Component  
**Gearbox**  
 Fluid  
**NOT GIVEN (1 LTR)**



## DIAGNOSIS

### Recommendation

We advise that you check for the source of water entry. 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. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

### Contamination

There is a moderate concentration of water present in the oil. Free water present.

### Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0829256</b>	---	---
Sample Date	Client Info		<b>15 Aug 2023</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>93</b>	---	---
Iron	ppm	ASTM D5185(m) >200	<b>201</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>2</b>	---	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m) >200	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m) >5	<b>0</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>&lt;1</b>	---	---
Barium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>2</b>	---	---
Magnesium	ppm	ASTM D5185(m)	<b>1</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>3</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>148</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>12</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>864</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

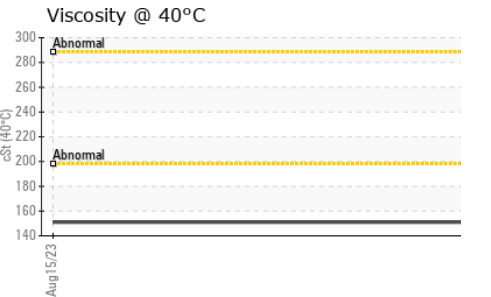
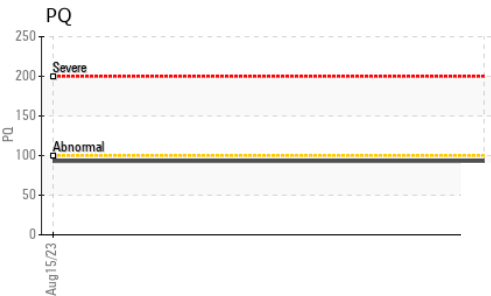
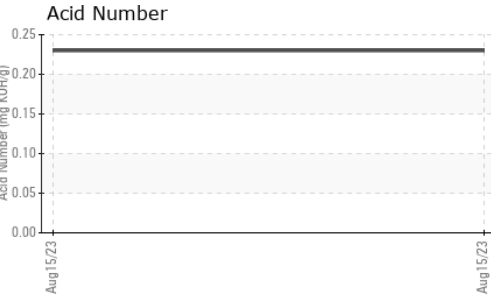
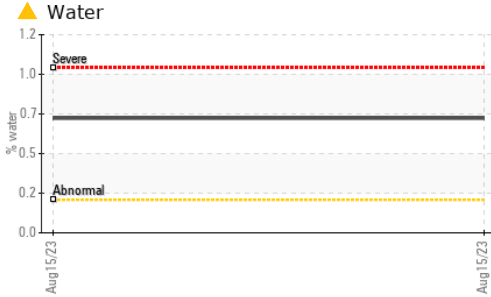
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>5</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>5</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>4</b>	---	---
Water	%	ASTM D6304* >0.2	<b>▲ 0.694</b>	---	---
ppm Water	ppm	ASTM D6304* >2000	<b>▲ 6945.8</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>0.23</b>	---	---



# OIL ANALYSIS REPORT



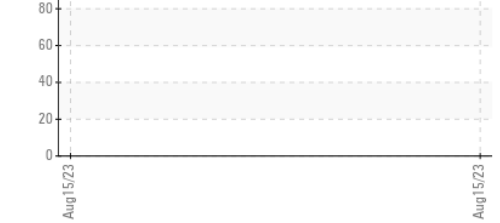
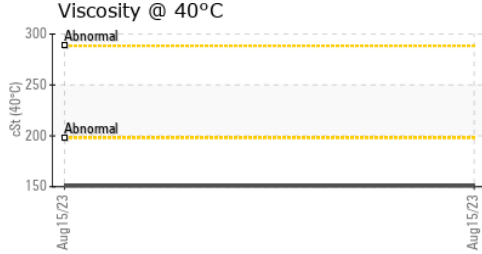
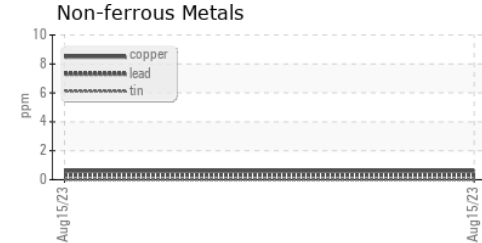
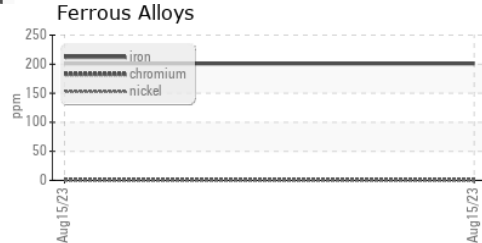
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	VLITE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	▲ WGOIL	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	▲ 1%	---	---
Free Water	scalar	Visual*		▲ >10%	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	151	---	---

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0829256      **Received** : 17 Aug 2023  
**Lab Number** : 02576620      **Diagnosed** : 21 Aug 2023  
**Unique Number** : 5629680      **Diagnostician** : Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: KF )

**GRAND RIVER FOODS**  
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 CAMBRIDGE, ON  
 CA N3E 1B8  
 Contact: Dan Jean-Marie  
 djeanmarie@grandriverfoods.com  
 T: (519)653-3577  
 F:

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