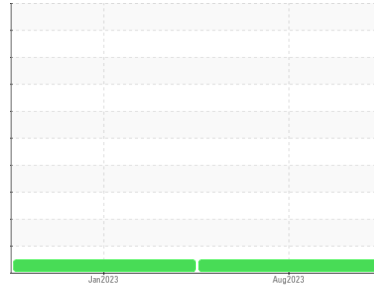


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**R160N-A**  
Component  
**Rotary Compressor**  
Fluid  
**NOT GIVEN (--- GAL)**

**DIAGNOSIS**

**Recommendation**  
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

**Wear**  
All component wear rates are normal.

**Contamination**  
The water content is negligible. There is no indication of any contamination in the oil.

**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>PC412295</b>	PC412288	---
Sample Date	Client Info	<b>02 Aug 2023</b>	09 Jan 2023	---
Machine Age	hrs Client Info	<b>59312</b>	55540	---
Oil Age	hrs Client Info	<b>0</b>	0	---
Oil Changed	Client Info	<b>N/A</b>	N/A	---
Sample Status		<b>NORMAL</b>	NORMAL	---

**WEAR METALS** method limit/base current history1 history2

PQ	ASTM D8184*		<b>0</b>	0	---
Iron	ppm ASTM D5185(m)	>70	<b>15</b>	0	---
Chromium	ppm ASTM D5185(m)	>10	<b>&lt;1</b>	0	---
Nickel	ppm ASTM D5185(m)		<b>&lt;1</b>	0	---
Titanium	ppm ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm ASTM D5185(m)	>3	<b>2</b>	<1	---
Lead	ppm ASTM D5185(m)	>4	<b>0</b>	<1	---
Copper	ppm ASTM D5185(m)	>20	<b>&lt;1</b>	0	---
Tin	ppm ASTM D5185(m)	>3	<b>0</b>	0	---
Antimony	ppm ASTM D5185(m)		<b>0</b>	<1	---
Vanadium	ppm ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm ASTM D5185(m)		<b>0</b>	0	---

**ADDITIVES** method limit/base current history1 history2

Boron	ppm ASTM D5185(m)		<b>&lt;1</b>	<1	---
Barium	ppm ASTM D5185(m)		<b>0</b>	0	---
Molybdenum	ppm ASTM D5185(m)		<b>0</b>	0	---
Manganese	ppm ASTM D5185(m)		<b>0</b>	0	---
Magnesium	ppm ASTM D5185(m)		<b>0</b>	0	---
Calcium	ppm ASTM D5185(m)		<b>&lt;1</b>	0	---
Phosphorus	ppm ASTM D5185(m)		<b>495</b>	448	---
Zinc	ppm ASTM D5185(m)		<b>1</b>	<1	---
Sulfur	ppm ASTM D5185(m)		<b>942</b>	556	---
Lithium	ppm ASTM D5185(m)		<b>&lt;1</b>	<1	---

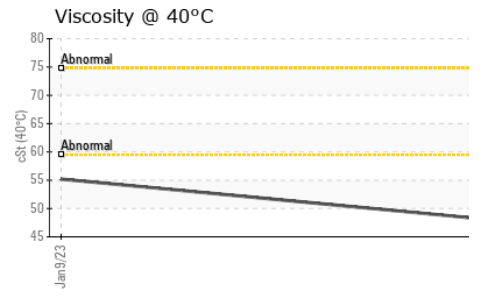
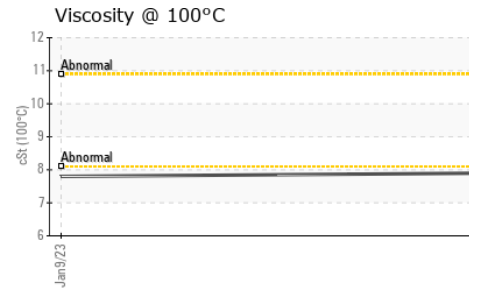
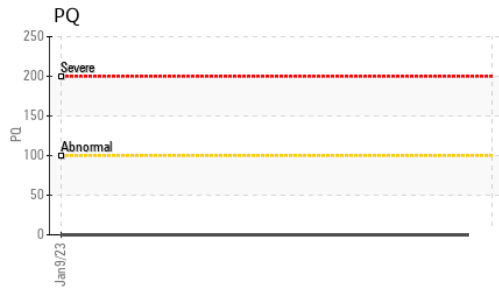
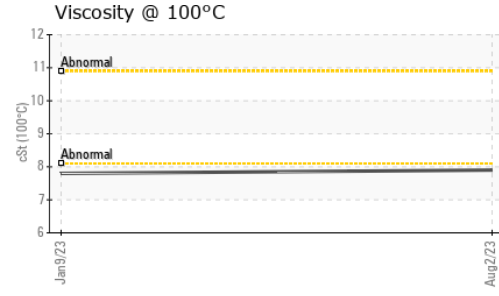
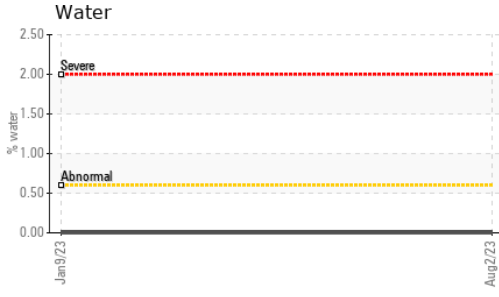
**CONTAMINANTS** method limit/base current history1 history2

Silicon	ppm ASTM D5185(m)	>45	<b>2</b>	2	---
Sodium	ppm ASTM D5185(m)		<b>&lt;1</b>	0	---
Potassium	ppm ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Water	% ASTM D6304*	>0.6	<b>0.001</b>	0.001	---
ppm Water	ppm ASTM D6304*		<b>12.2</b>	11.1	---

**FLUID DEGRADATION** method limit/base current history1 history2

Acid Number (AN)	mg KOH/g ASTM D974*		<b>0.17</b>	0.13	---
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# OIL ANALYSIS REPORT

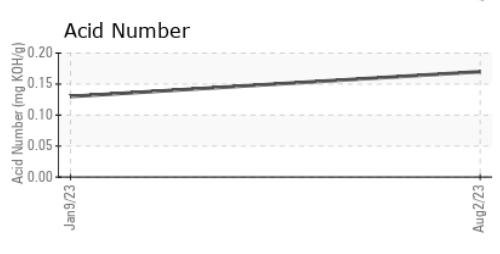
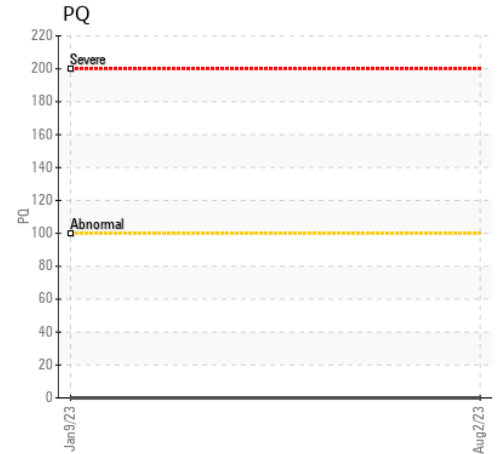


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.6	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	48	55.2	---
Visc @ 100°C	cSt	ASTM D7279(m)	7.9	7.8	---
Viscosity Index (VI)	Scale	ASTM D2270*	134	105	---

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC412295 **Received** : 08 Aug 2023  
**Lab Number** : 02574640 **Diagnosed** : 09 Aug 2023  
**Unique Number** : 5619691 **Diagnostician** : Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, TAN Man, VI )

**MAPLE LEAF FOODS**  
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 Contact: Laurie Brennan  
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 T: (403)317-2547  
 F: (403)328-5262

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.