

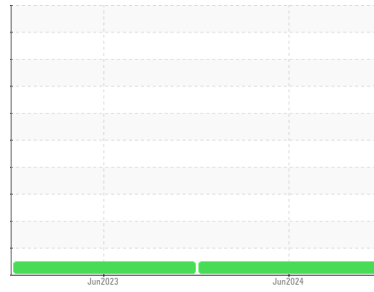


# OIL ANALYSIS REPORT



Area  
**ORIN CONTRACTORS**  
 Machine Id  
**366**  
 Component  
**Left Final Drive**  
 Fluid  
**PETRO CANADA 30W (--- GAL)**

### Sample Rating Trend



**NORMAL**



### DIAGNOSIS

**Recommendation**  
 Resample at the next service interval to monitor.

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

**Contamination**  
 There is no indication of any contamination in the oil.

**Fluid Condition**  
 The condition of the oil is acceptable for the time in service.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0932551</b>	LH0256896	---
Sample Date	Client Info		<b>29 Jun 2024</b>	19 Jun 2023	---
Machine Age	hrs	Client Info	<b>0</b>	6188	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	---

### WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>800	<b>37</b>	31	---
Chromium	ppm	ASTM D5185(m)	>10	<b>1</b>	1	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>75	<b>5</b>	4	---
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>75	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>8	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)	>50	<b>0</b>	0	---
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

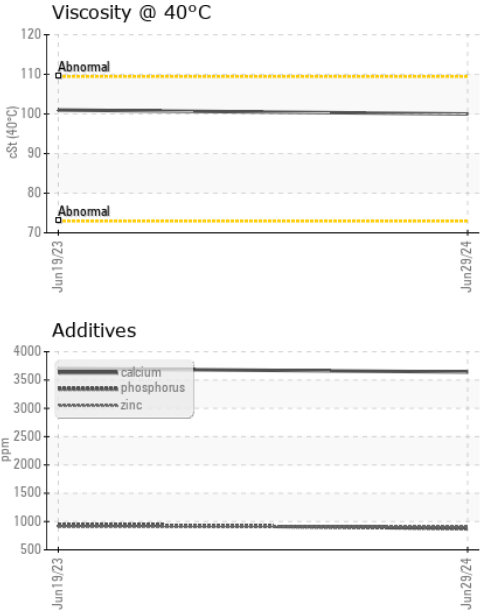
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		<b>31</b>	29	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m)		<b>3</b>	3	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m)		<b>20</b>	19	---
Calcium	ppm	ASTM D5185(m)		<b>3641</b>	3703	---
Phosphorus	ppm	ASTM D5185(m)		<b>876</b>	952	---
Zinc	ppm	ASTM D5185(m)		<b>904</b>	907	---
Sulfur	ppm	ASTM D5185(m)		<b>4576</b>	4571	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

### CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>400	<b>38</b>	34	---
Sodium	ppm	ASTM D5185(m)		<b>1</b>	1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	---



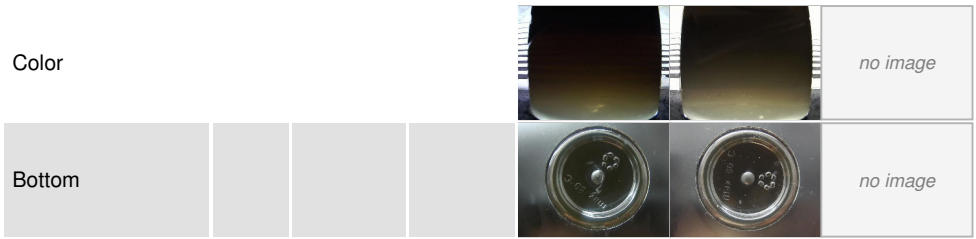
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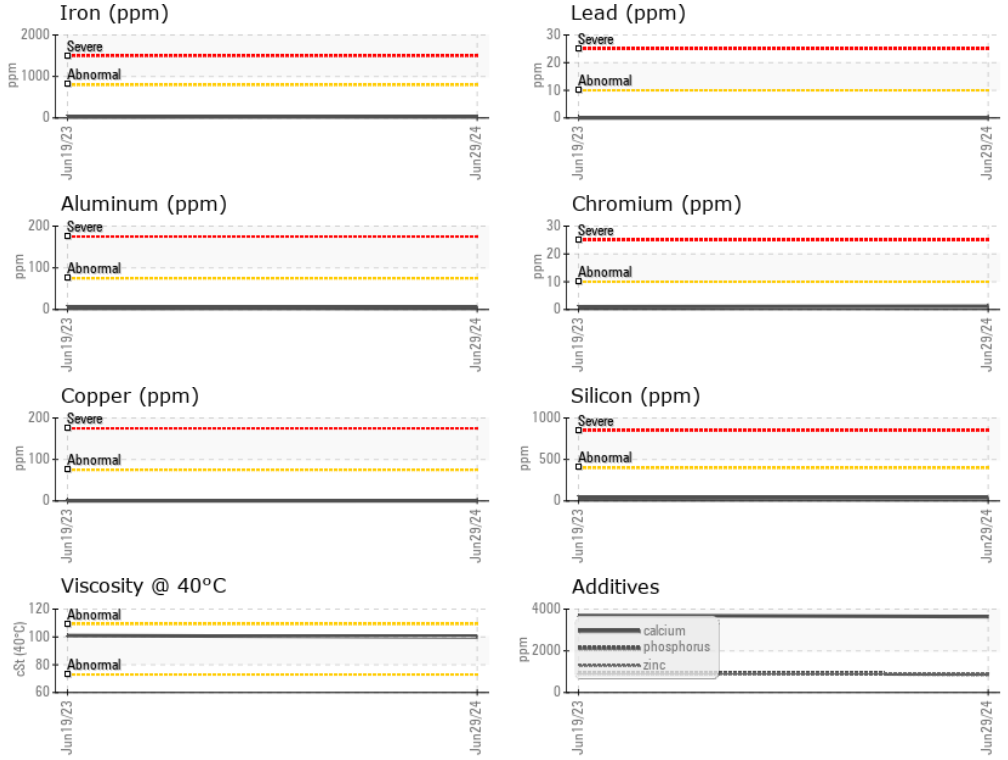
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>LIGHT</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
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*	>0.2	<b>NEG</b>	NEG	---
Free Water	scalar	Visual*		<b>NEG</b>	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	<b>100</b>	101	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **RONI/IRON SHORE EXCAVATING LTD.**  
**Sample No.** : WC0932551 **Received** : 10 Jul 2024 **100 MACINTOSH BLVD**  
**Lab Number** : **02647161** **Tested** : 11 Jul 2024 **VAUGHAN, ON**  
**Unique Number** : 5812713 **Diagnosed** : 11 Jul 2024 - Wes Davis **CA L4K 4P3**  
**Test Package** : MOBCE **Contact:** Service Team **service.team@roni.ca**

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.