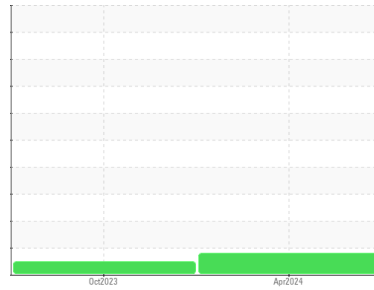




OIL ANALYSIS REPORT

Area
RONI
 Machine Id
162
 Component
Right Final Drive
 Fluid
PETRO CANADA 30W (--- GAL)

Sample Rating Trend



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

Aluminum ppm levels are abnormal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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		WC0920879	LH0275385	---
Sample Date	Client Info		06 Apr 2024	17 Oct 2023	---
Machine Age	hrs	Client Info	0	8255	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	Changed	---
Sample Status			ABNORMAL	NORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>800	484	434	---
Chromium	ppm	ASTM D5185(m)	>10	8	6	---
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	---
Titanium	ppm	ASTM D5185(m)	>15	4	2	---
Silver	ppm	ASTM D5185(m)	>2	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>75	76	45	---
Lead	ppm	ASTM D5185(m)	>10	0	<1	---
Copper	ppm	ASTM D5185(m)	>75	2	2	---
Tin	ppm	ASTM D5185(m)	>8	0	0	---
Antimony	ppm	ASTM D5185(m)	>50	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES

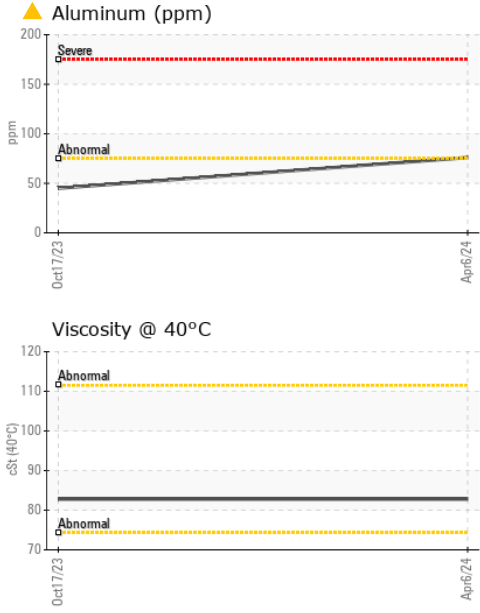
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		45	47	---
Barium	ppm	ASTM D5185(m)		<1	<1	---
Molybdenum	ppm	ASTM D5185(m)		<1	<1	---
Manganese	ppm	ASTM D5185(m)		4	3	---
Magnesium	ppm	ASTM D5185(m)		810	785	---
Calcium	ppm	ASTM D5185(m)		1107	1011	---
Phosphorus	ppm	ASTM D5185(m)		1083	1092	---
Zinc	ppm	ASTM D5185(m)		1014	1027	---
Sulfur	ppm	ASTM D5185(m)		4998	5073	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>400	355	209	---
Sodium	ppm	ASTM D5185(m)		21	12	---
Potassium	ppm	ASTM D5185(m)	>20	29	16	---



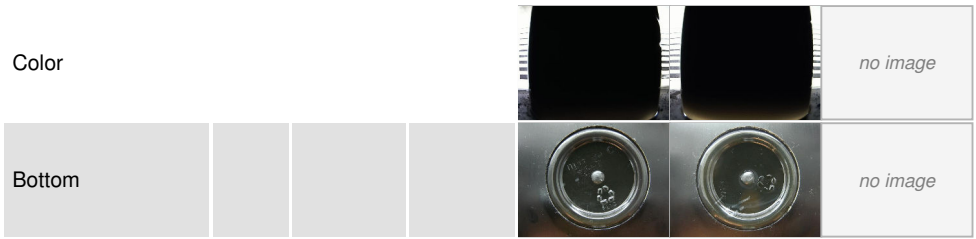
OIL ANALYSIS REPORT



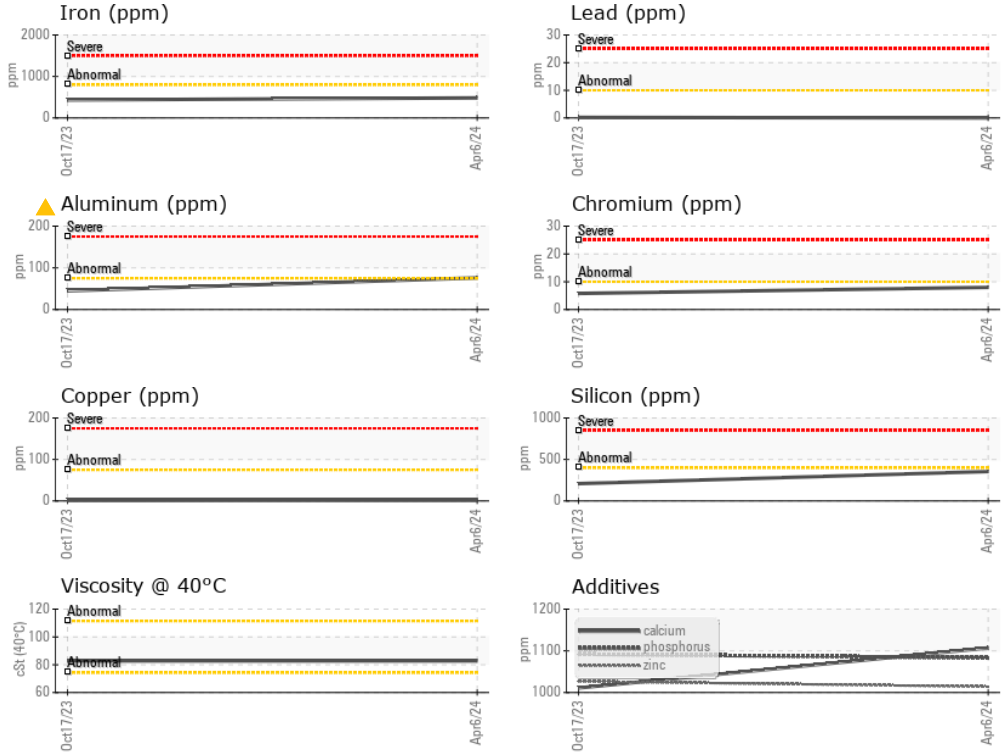
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	VLITE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	82.8	82.8	---

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. : WC0920879 **Received** : 16 Apr 2024 100 MACINTOSH BLVD
Lab Number : **02629281** **Tested** : 16 Apr 2024 VAUGHAN, ON
Unique Number : 5762413 **Diagnosed** : 17 Apr 2024 - Kevin Marson CA L4K 4P3
Test Package : MOBCE (Additional Tests: Visual) Contact: Service Team
 To discuss this sample report, contact Customer Service at 1-800-268-2131. service.team@roni.ca
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T:
 Validity of results and interpretation are based on the sample and information as supplied. F: