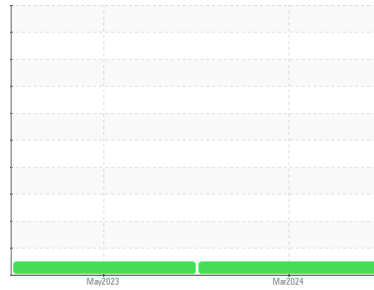




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
ORIN CONTRACTORS

Machine Id
226

Component
Front Right Final Drive

Fluid
PETRO CANADA TRAXON 80W90 (--- GAL)

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0920819	LH0256795	---
Sample Date	Client Info			21 Mar 2024	18 May 2023	---
Machine Age	hrs	Client Info		0	1199	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

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

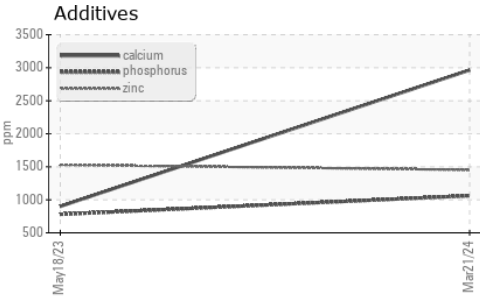
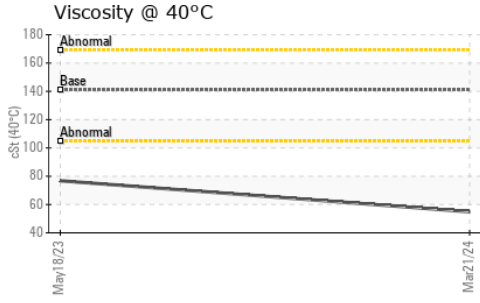
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	129	234	---
Chromium	ppm	ASTM D5185(m)	>10	1	4	---
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	---
Titanium	ppm	ASTM D5185(m)		<1	<1	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	1	1	---
Lead	ppm	ASTM D5185(m)	>25	0	1	---
Copper	ppm	ASTM D5185(m)	>50	1	2	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Antimony	ppm	ASTM D5185(m)	>5	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)	243	104	107	---
Barium	ppm	ASTM D5185(m)	1	2	6	---
Molybdenum	ppm	ASTM D5185(m)		0	<1	---
Manganese	ppm	ASTM D5185(m)		2	4	---
Magnesium	ppm	ASTM D5185(m)	2	18	3	---
Calcium	ppm	ASTM D5185(m)	6	2965	901	---
Phosphorus	ppm	ASTM D5185(m)	987	1062	780	---
Zinc	ppm	ASTM D5185(m)	1	1452	1529	---
Sulfur	ppm	ASTM D5185(m)	21530	6770	5755	---
Lithium	ppm	ASTM D5185(m)		1	2	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	18	34	---
Sodium	ppm	ASTM D5185(m)		2	6	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---



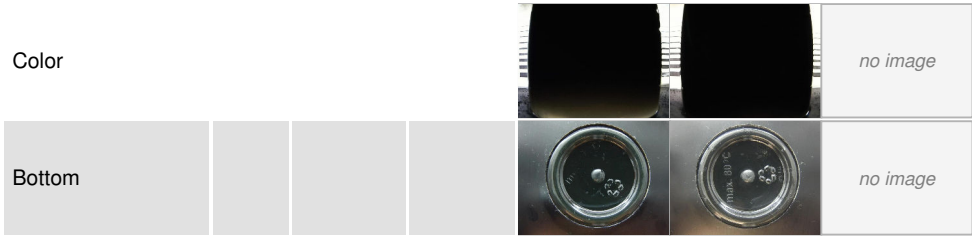
OIL ANALYSIS REPORT



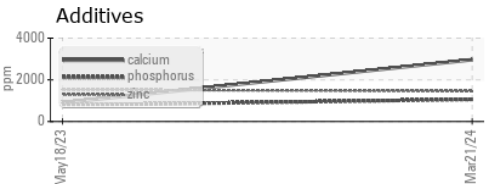
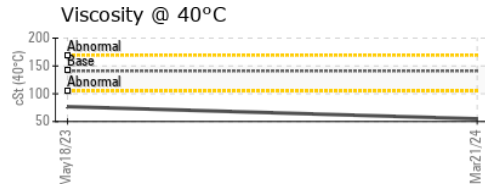
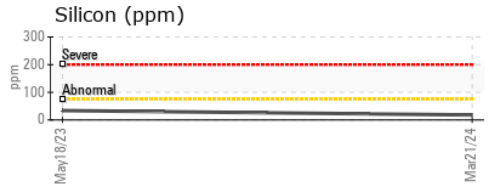
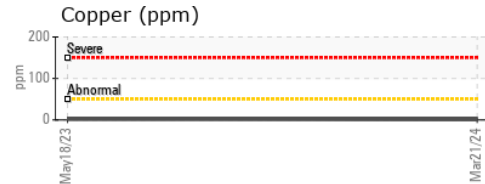
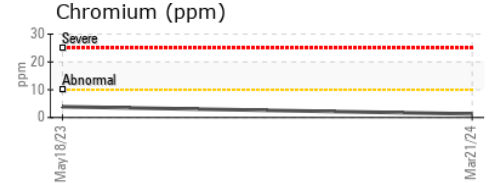
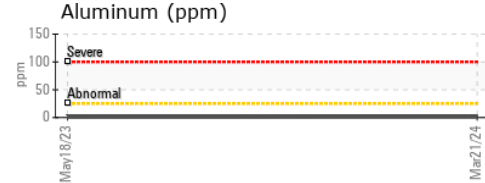
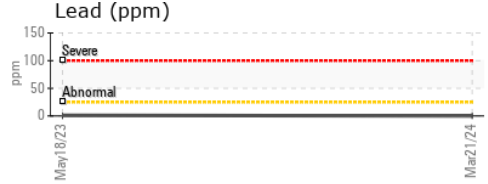
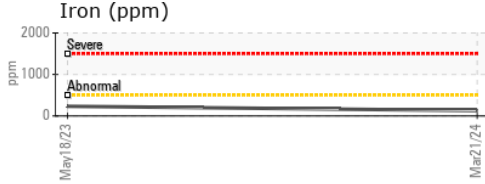
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	54.9	76.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0920819 **Received** : 16 Apr 2024
Lab Number : 02629298 **Tested** : 16 Apr 2024
Unique Number : 5762430 **Diagnosed** : 16 Apr 2024 - Wes Davis
Test Package : MOBCE (Additional Tests: Visual)

RONI/IRON SHORE EXCAVATING LTD.
 100 MACINTOSH BLVD
 VAUGHAN, ON
 CA L4K 4P3
 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.