



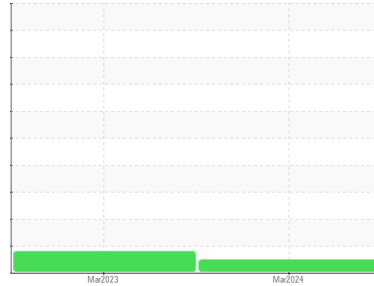
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
ORIN
Machine Id
189
Component
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		WC0899414	LH0206536	---
Sample Date	Client Info		06 Mar 2024	29 Mar 2023	---
Machine Age	hrs	Client Info	0	2000	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Not Chngd	Changed	---
Sample Status			NORMAL	ABNORMAL	---

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) >3360	771	▲ 719	---
Chromium	ppm	ASTM D5185(m) >35	7	6	---
Nickel	ppm	ASTM D5185(m) >8	<1	<1	---
Titanium	ppm	ASTM D5185(m) >15	3	<1	---
Silver	ppm	ASTM D5185(m)	0	0	---
Aluminum	ppm	ASTM D5185(m) >185	55	2	---
Lead	ppm	ASTM D5185(m) >5	0	<1	---
Copper	ppm	ASTM D5185(m) >80	2	9	---
Tin	ppm	ASTM D5185(m) >8	0	0	---
Antimony	ppm	ASTM D5185(m) >4	0	<1	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

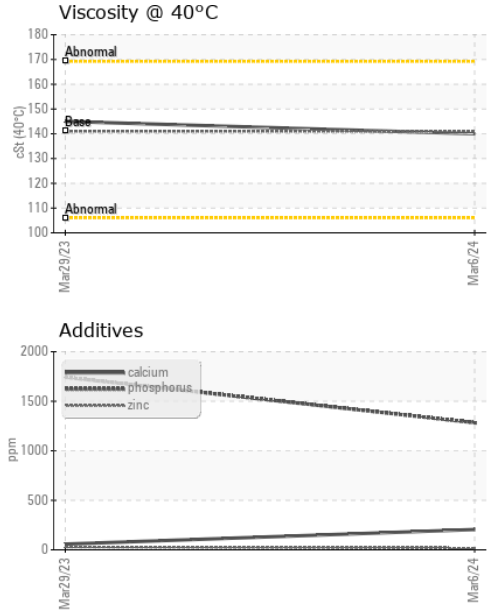
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 243	205	100	---
Barium	ppm	ASTM D5185(m) 1	0	0	---
Molybdenum	ppm	ASTM D5185(m)	<1	<1	---
Manganese	ppm	ASTM D5185(m)	6	6	---
Magnesium	ppm	ASTM D5185(m) 2	22	4	---
Calcium	ppm	ASTM D5185(m) 6	205	58	---
Phosphorus	ppm	ASTM D5185(m) 987	1283	1742	---
Zinc	ppm	ASTM D5185(m) 1	17	28	---
Sulfur	ppm	ASTM D5185(m) 21530	16353	15205	---
Lithium	ppm	ASTM D5185(m)	<1	1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >1100	241	14	---
Sodium	ppm	ASTM D5185(m)	13	<1	---
Potassium	ppm	ASTM D5185(m) >20	19	<1	---



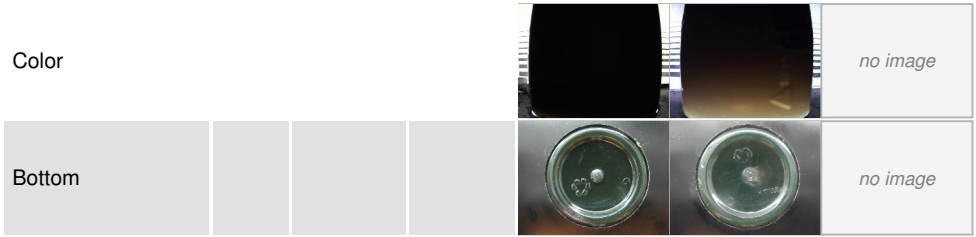
OIL ANALYSIS REPORT



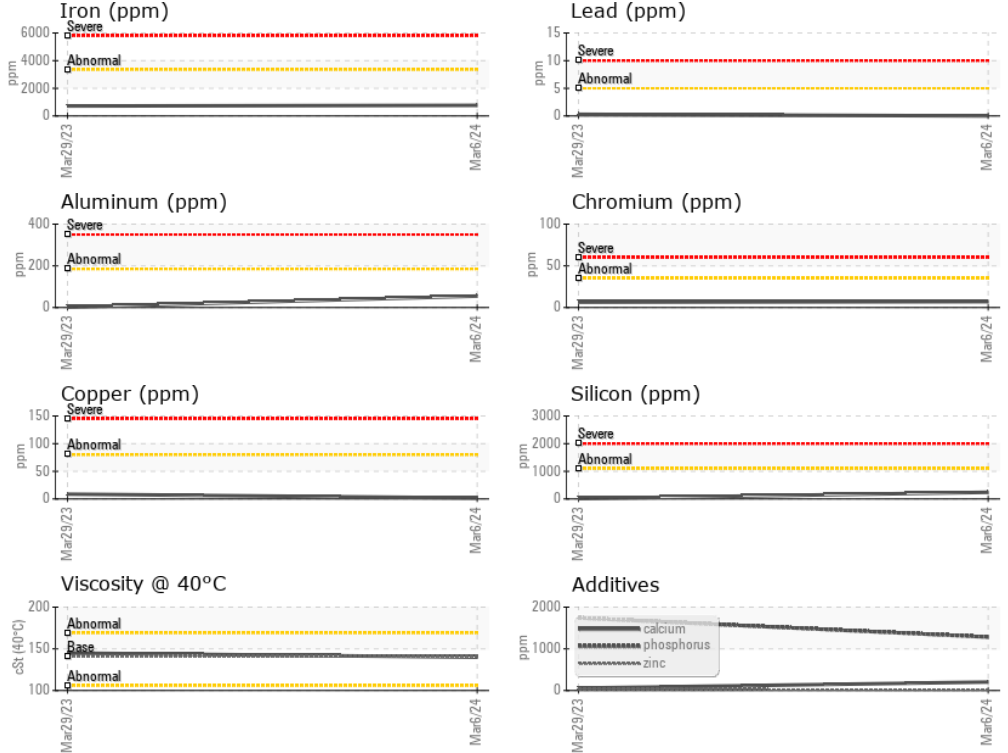
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---
Appearance	scalar	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)	141.0	140	145

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. : WC0899414
Lab Number : 02621164
Unique Number : 5746283
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

Received : 11 Mar 2024
 Tested : 11 Mar 2024
 Diagnosed : 11 Mar 2024 - Kevin Marson
 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.