



OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area
ORIN CONTRACTORS
 Machine Id
216 VIBRATION TRAY

Component
Unknown Component
 Fluid

PETRO CANADA TRAXON 75W90 SYNTHETIC (--- 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 sample.

▲ Fluid Condition

Viscosity of sample indicates oil is within ISO 68 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the sample is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0899463	---	---
Sample Date	Client Info	12 Mar 2024	---	---
Machine Age	hrs	Client Info	0	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	Not Changed	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	67	---
Chromium	ppm	ASTM D5185(m)	<1	---
Nickel	ppm	ASTM D5185(m)	0	---
Titanium	ppm	ASTM D5185(m)	0	---
Silver	ppm	ASTM D5185(m)	0	---
Aluminum	ppm	ASTM D5185(m)	23	---
Lead	ppm	ASTM D5185(m)	2	---
Copper	ppm	ASTM D5185(m)	6	---
Tin	ppm	ASTM D5185(m)	0	---
Antimony	ppm	ASTM D5185(m)	0	---
Vanadium	ppm	ASTM D5185(m)	0	---
Beryllium	ppm	ASTM D5185(m)	0	---
Cadmium	ppm	ASTM D5185(m)	0	---

ADDITIVES

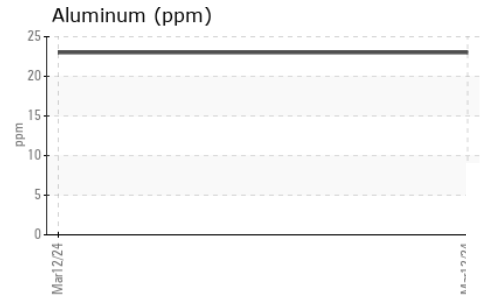
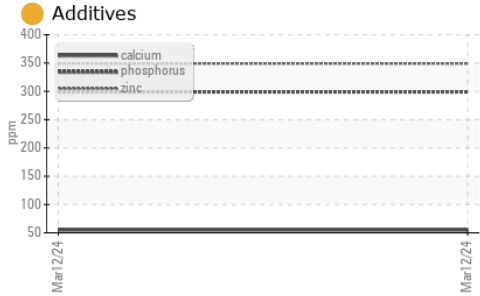
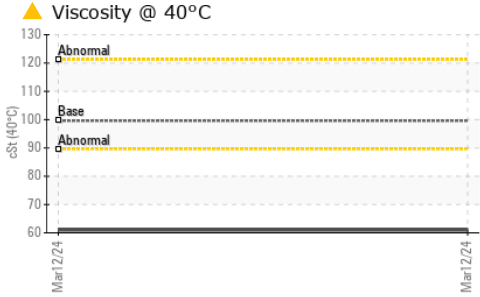
method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	328	6
Barium	ppm	ASTM D5185(m)	1	0
Molybdenum	ppm	ASTM D5185(m)		2
Manganese	ppm	ASTM D5185(m)		0
Magnesium	ppm	ASTM D5185(m)	1	3
Calcium	ppm	ASTM D5185(m)	7	55
Phosphorus	ppm	ASTM D5185(m)	1145	299
Zinc	ppm	ASTM D5185(m)	3	349
Sulfur	ppm	ASTM D5185(m)	17909	1237
Lithium	ppm	ASTM D5185(m)		16

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		13
Sodium	ppm	ASTM D5185(m)		2
Potassium	ppm	ASTM D5185(m)	>20	2



OIL ANALYSIS REPORT



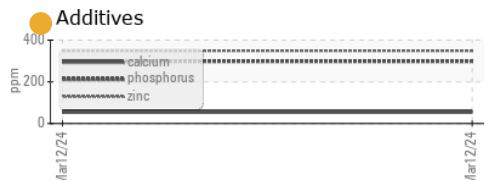
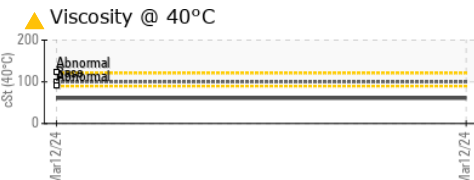
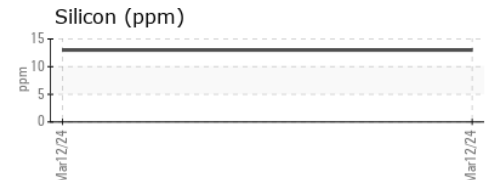
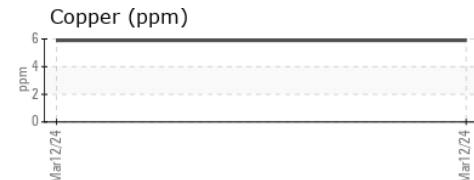
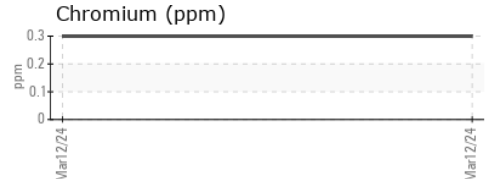
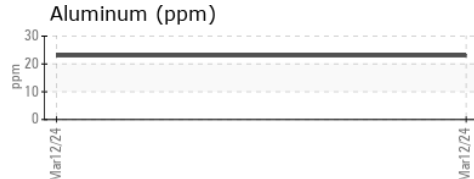
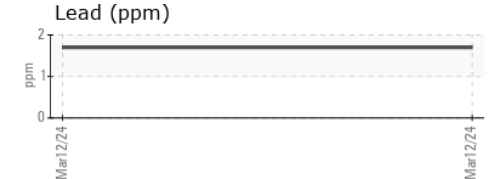
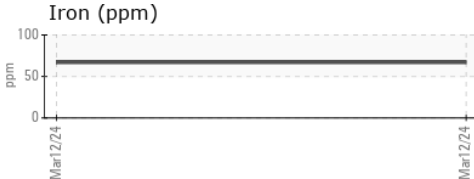
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	MODER	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	99.6 ▲ 61.0	---	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0899463 **Received** : 25 Mar 2024
Lab Number : 02624386 **Tested** : 25 Mar 2024
Unique Number : 5749505 **Diagnosed** : 26 Mar 2024 - Kevin Marson
Test Package : MOBCE (Additional Tests: Bottom, 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.