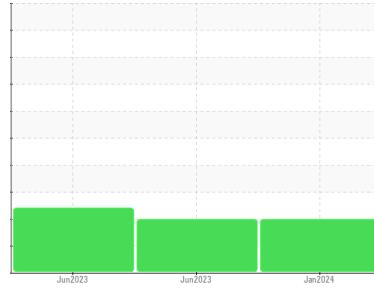




OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area
ORIN CONTRACTORS
Machine Id
219
Component
Rear Axle
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. The fluid was specified as PETRO CANADA TRAXON 80W90, however, a fluid match indicates that this fluid is SAE 75W80 Wet Brake Transaxle Oil. Please confirm the oil type and grade on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Viscosity of sample indicates oil is within SAE 75W80 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 oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0888505	LH0256912	LH0265790
Sample Date	Client Info	04 Jan 2024	16 Jun 2023	14 Jun 2023
Machine Age	hrs	0	3685	9385
Oil Age	hrs	0	0	0
Oil Changed	Client Info	Not Chngd	Not Chngd	Changed
Sample Status		ABNORMAL	ATTENTION	ABNORMAL

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >500	42	1	3
Chromium	ppm ASTM D5185(m) >20	1	0	0
Nickel	ppm ASTM D5185(m) >10	<1	0	<1
Titanium	ppm ASTM D5185(m)	0	0	0
Silver	ppm ASTM D5185(m)	0	0	0
Aluminum	ppm ASTM D5185(m) >30	2	0	0
Lead	ppm ASTM D5185(m) >50	0	0	0
Copper	ppm ASTM D5185(m) >120	4	<1	<1
Tin	ppm ASTM D5185(m) >20	<1	0	0
Antimony	ppm ASTM D5185(m) >5	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Beryllium	ppm ASTM D5185(m)	0	0	0
Cadmium	ppm ASTM D5185(m)	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 243	110	▲ 1	▲ 2
Barium	ppm ASTM D5185(m) 1	0	0	0
Molybdenum	ppm ASTM D5185(m)	<1	0	<1
Manganese	ppm ASTM D5185(m)	2	0	0
Magnesium	ppm ASTM D5185(m) 2	14	<1	4
Calcium	ppm ASTM D5185(m) 6	▲ 3947	▲ 34	▲ 47
Phosphorus	ppm ASTM D5185(m) 987	▲ 1350	▲ 16	▲ 56
Zinc	ppm ASTM D5185(m) 1	▲ 1596	▲ 18	▲ 19
Sulfur	ppm ASTM D5185(m) 21530	▲ 3753	▲ 93	▲ 65
Lithium	ppm ASTM D5185(m)	<1	0	0

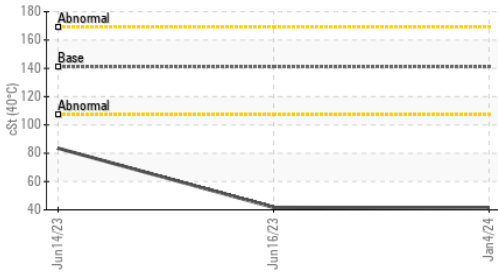
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	13	<1	<1
Sodium	ppm ASTM D5185(m)	9	0	0
Potassium	ppm ASTM D5185(m) >20	<1	0	0

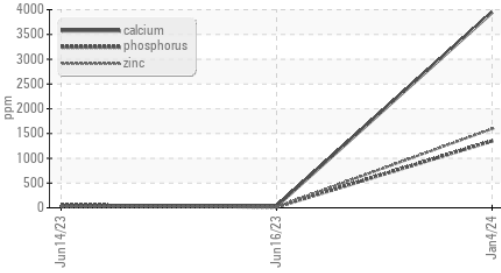


OIL ANALYSIS REPORT

▲ Viscosity @ 40°C



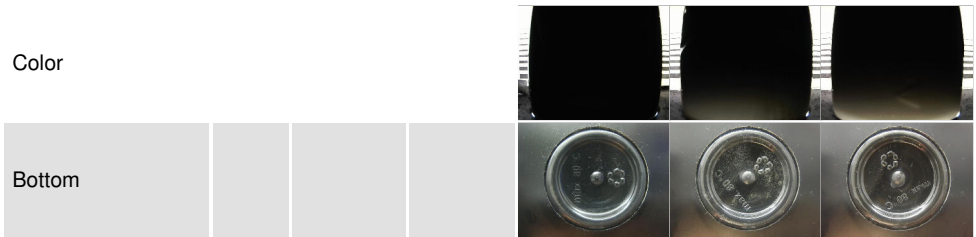
▲ Additives



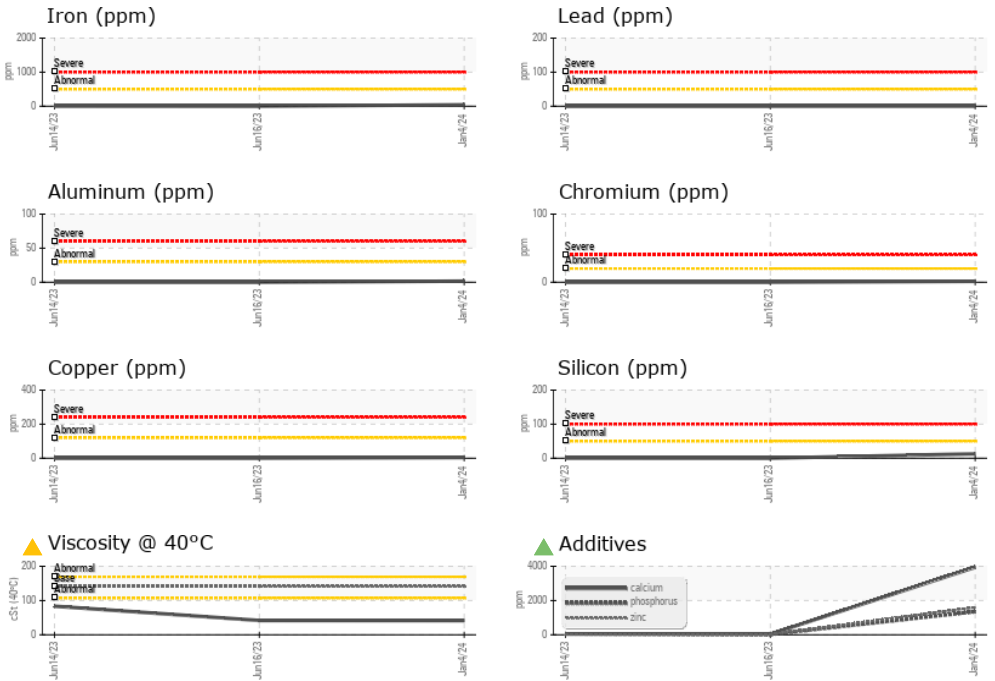
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	▲ 41.4	41.7	▲ 83.5

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. : WC0888505 **Received** : 17 Jan 2024 **100 MACINTOSH BLVD**
Lab Number : 02609491 **Diagnosed** : 18 Jan 2024 **VAUGHAN, ON**
Unique Number : 5710577 **Diagnostician** : Kevin Marson **CA L4K 4P3**
Test Package : MOBCE (Additional Tests: Visual) **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.