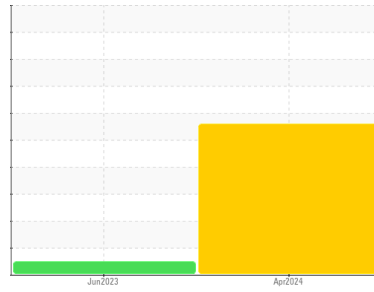




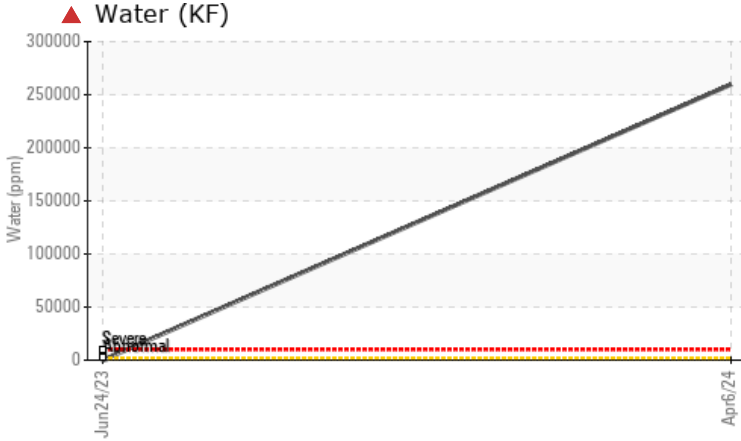
PROBLEM SUMMARY

Area
ORIN CONTRACTORS
 Machine Id
191
 Component
Left Final Drive
 Fluid
PETRO CANADA TRAXON 80W90 (--- GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. 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.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	NORMAL	---
Water	%	ASTM D6304*	>0.2	▲ 25.97	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 259729	---	---
Appearance	scalar	Visual*	NORML	▲ MILKY	NORML	---
Emulsified Water	scalar	Visual*	>0.2	▲ .5%	NEG	---
Free Water	scalar	Visual*		▲ 1%	NEG	---

Customer Id: RONVAU
 Sample No.: WC0920872
 Lab Number: 02629403
 Test Package: MOBCE



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Kevin Marson +1 (289)291-4644 x4644
Kevin.Marson@wearcheck.com

To change component or sample information:
 Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

NORMAL



24 Jun 2023 Diag: Kevin Marson

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

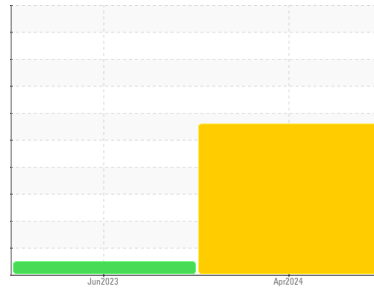
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
ORIN CONTRACTORS

Machine Id
191
Component
Left Final Drive

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

DIAGNOSIS

▲ Recommendation

We advise that you check for the source of water entry. 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

All component wear rates are normal.

▲ Contamination

There is a high concentration of water present in the oil. Free water present.

Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0920872	LH0265857	---
Sample Date	Client Info		06 Apr 2024	24 Jun 2023	---
Machine Age	hrs	Client Info	0	9937	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	Changed	---
Sample Status			SEVERE	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		942	109	---
Iron	ppm	ASTM D5185(m) >500	633	723	---
Chromium	ppm	ASTM D5185(m) >10	8	7	---
Nickel	ppm	ASTM D5185(m) >10	2	2	---
Titanium	ppm	ASTM D5185(m)	2	2	---
Silver	ppm	ASTM D5185(m)	0	0	---
Aluminum	ppm	ASTM D5185(m) >25	61	41	---
Lead	ppm	ASTM D5185(m) >25	0	0	---
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	<1	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

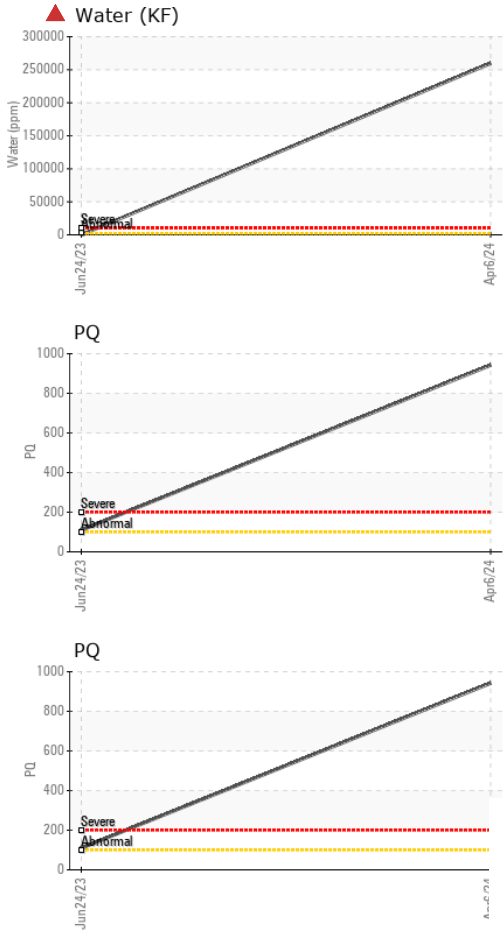
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 243	40	229	---
Barium	ppm	ASTM D5185(m) 1	<1	<1	---
Molybdenum	ppm	ASTM D5185(m)	0	<1	---
Manganese	ppm	ASTM D5185(m)	8	7	---
Magnesium	ppm	ASTM D5185(m) 2	54	15	---
Calcium	ppm	ASTM D5185(m) 6	215	78	---
Phosphorus	ppm	ASTM D5185(m) 987	860	1031	---
Zinc	ppm	ASTM D5185(m) 1	13	7	---
Sulfur	ppm	ASTM D5185(m) 21530	15828	17012	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	455	199	---
Sodium	ppm	ASTM D5185(m)	11	12	---
Potassium	ppm	ASTM D5185(m) >20	24	16	---
Water	%	ASTM D6304* >0.2	▲ 25.97	---	---
ppm Water	ppm	ASTM D6304* >2000	▲ 259729	---	---



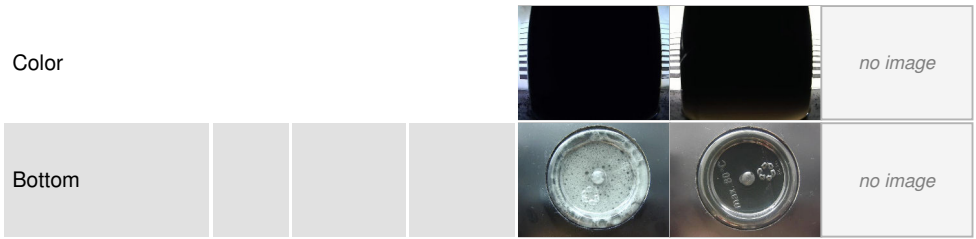
OIL ANALYSIS REPORT



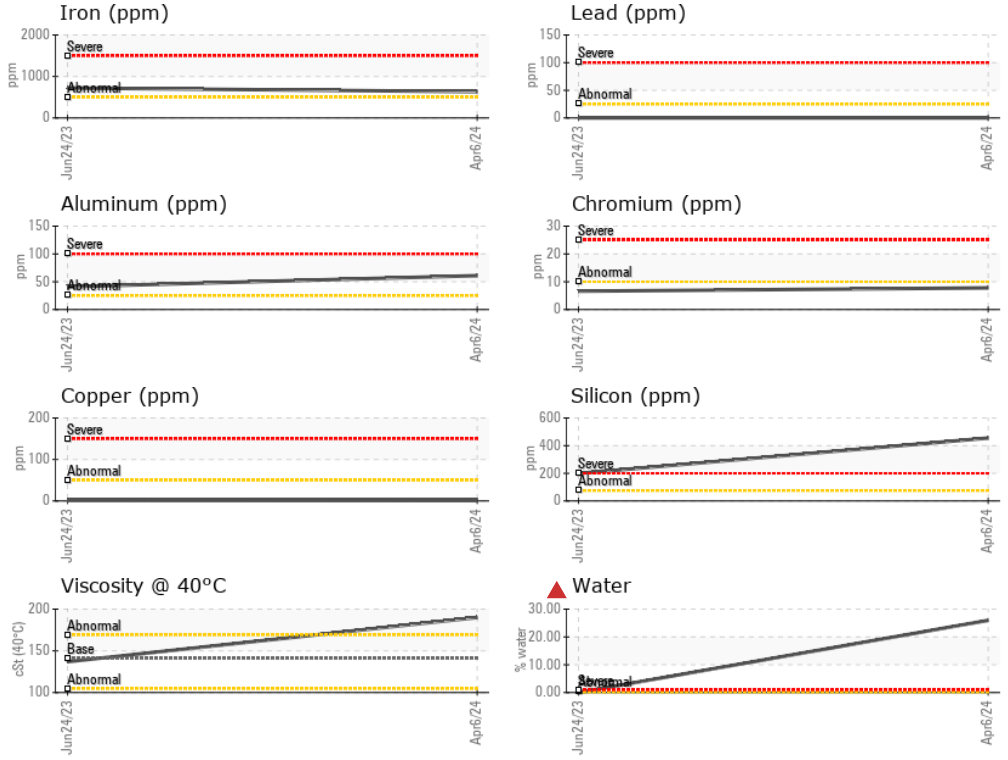
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	VLITE	---
Debris	scalar	Visual*	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	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	137	---

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. : WC0920872
Lab Number : 02629403
Unique Number : 5762535
Test Package : MOBCE (Additional Tests: KF, PQ)
Received : 16 Apr 2024
Tested : 19 Apr 2024
Diagnosed : 19 Apr 2024 - Kevin Marson

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.