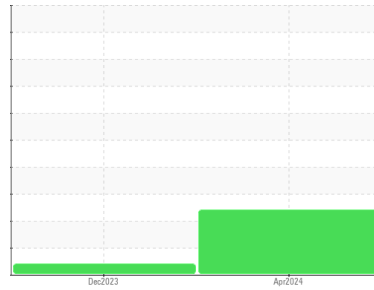




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area

[159413]

Machine Id

GRINDER 2 (NEW)

Component

Gearbox

Fluid

PETRO CANADA ENDURATEX EP 150 (10 LTR)

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. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

▲ Contamination

There is a moderate concentration of water present in the oil.

● Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0929900	WC0869272	---
Sample Date	Client Info		11 Apr 2024	07 Dec 2023	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	3	---
Iron	ppm	ASTM D5185(m) >200	11	75	---
Chromium	ppm	ASTM D5185(m) >10	0	<1	---
Nickel	ppm	ASTM D5185(m) >10	0	<1	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m)	0	<1	---
Aluminum	ppm	ASTM D5185(m) >25	2	1	---
Lead	ppm	ASTM D5185(m) >50	0	<1	---
Copper	ppm	ASTM D5185(m) >200	<1	3	---
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) 55	1	2	---
Barium	ppm	ASTM D5185(m) 0	0	0	---
Molybdenum	ppm	ASTM D5185(m) 0	0	0	---
Manganese	ppm	ASTM D5185(m) 0	<1	1	---
Magnesium	ppm	ASTM D5185(m) 2	0	<1	---
Calcium	ppm	ASTM D5185(m) 6	12	6	---
Phosphorus	ppm	ASTM D5185(m) 250	115	399	---
Zinc	ppm	ASTM D5185(m) 3	2	7	---
Sulfur	ppm	ASTM D5185(m) 7500	756	641	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

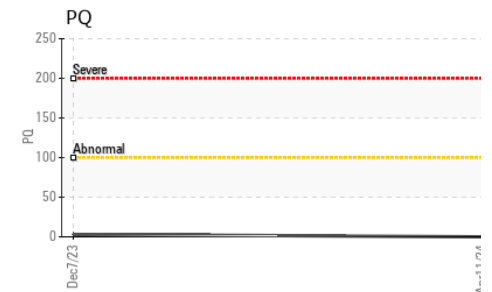
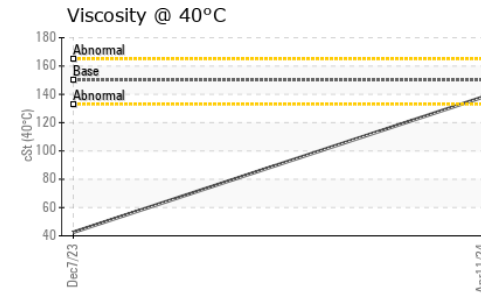
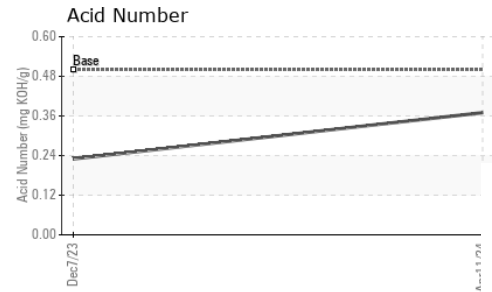
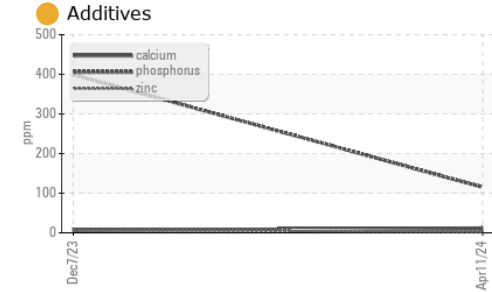
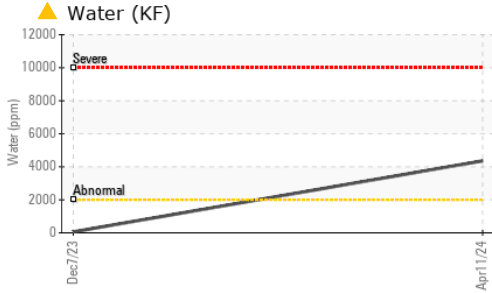
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	13	31	---
Sodium	ppm	ASTM D5185(m)	<1	2	---
Potassium	ppm	ASTM D5185(m) >20	<1	<1	---
Water	%	ASTM D6304* >0.2	▲ 0.435	0.005	---
ppm Water	ppm	ASTM D6304* >2000	▲ 4359	58	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.5	0.37	0.23	---



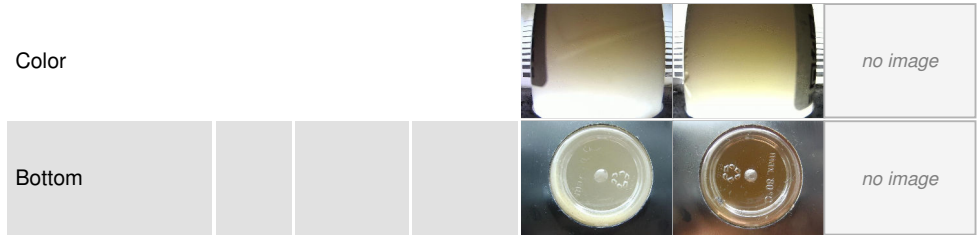
OIL ANALYSIS REPORT



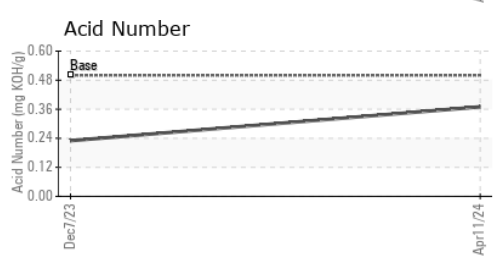
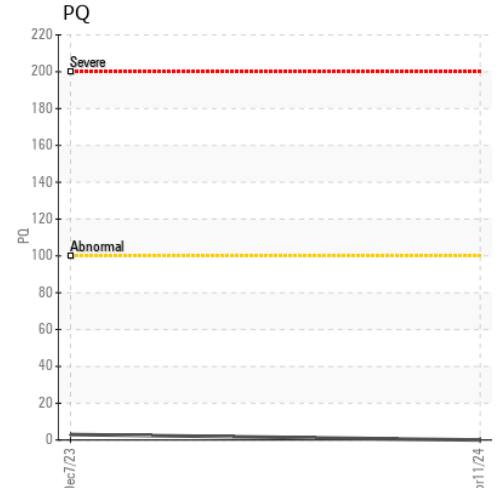
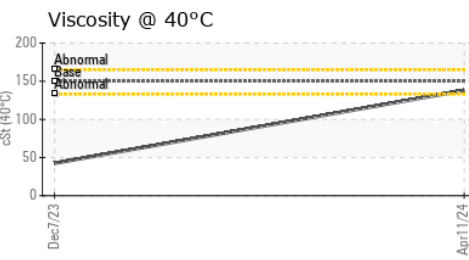
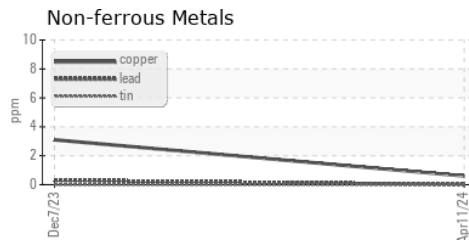
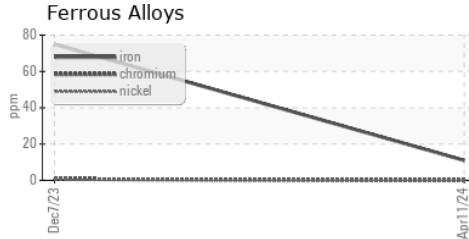
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	▲ .2%	.2%
Free Water	scalar	Visual*		NEG	NEG

PARAMETER	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	150.0	138	▲ 42.5

PARAMETER	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0929900 **Received** : 15 Apr 2024
Lab Number : 02629033 **Tested** : 17 Apr 2024
Unique Number : 5762165 **Diagnosed** : 17 Apr 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: KF, TAN Man)

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.

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