

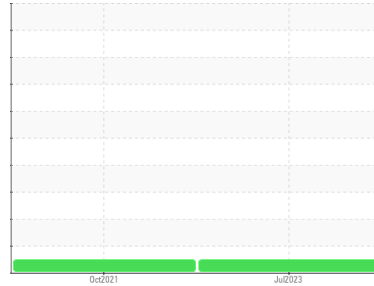
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
OR1050
Component
Rear Differential
Fluid
CAT TDTO TRANS-DRIVE SAE 30 (10 LTR)



DIAGNOSIS

Recommendation

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

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PC0078574	PC0047810	---
Sample Date	Client Info		21 Jul 2023	04 Oct 2021	---
Machine Age	hrs	Client Info	7514	5690	---
Oil Age	hrs	Client Info	1000	0	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			NORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	31	23	---
Chromium	ppm	ASTM D5185(m) >3	<1	<1	---
Nickel	ppm	ASTM D5185(m) >3	0	<1	---
Titanium	ppm	ASTM D5185(m) >2	<1	0	---
Silver	ppm	ASTM D5185(m) >2	0	0	---
Aluminum	ppm	ASTM D5185(m) >30	1	1	---
Lead	ppm	ASTM D5185(m) >13	0	<1	---
Copper	ppm	ASTM D5185(m) >103	<1	<1	---
Tin	ppm	ASTM D5185(m) >5	0	<1	---
Antimony	ppm	ASTM D5185(m) >5	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)	3	6	---
Barium	ppm	ASTM D5185(m)	0	0	---
Molybdenum	ppm	ASTM D5185(m)	<1	<1	---
Manganese	ppm	ASTM D5185(m)	<1	<1	---
Magnesium	ppm	ASTM D5185(m)	11	10	---
Calcium	ppm	ASTM D5185(m) 2980	2859	2917	---
Phosphorus	ppm	ASTM D5185(m) 1100	1055	1103	---
Zinc	ppm	ASTM D5185(m) 1270	1196	1257	---
Sulfur	ppm	ASTM D5185(m)	8755	8449	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

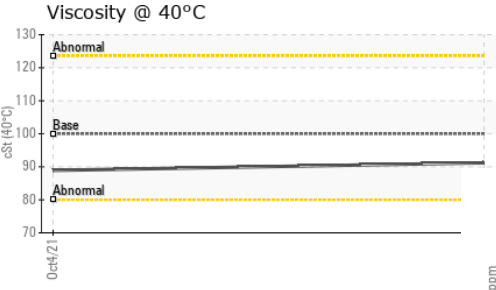
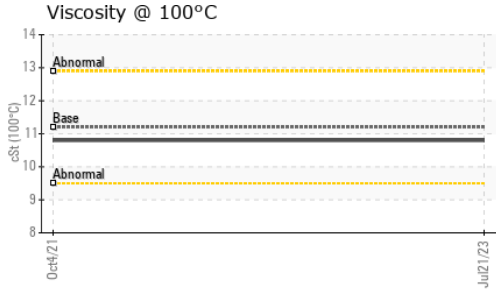
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >100	6	5	---
Sodium	ppm	ASTM D5185(m)	1	1	---
Potassium	ppm	ASTM D5185(m) >20	<1	2	---

VISUAL

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

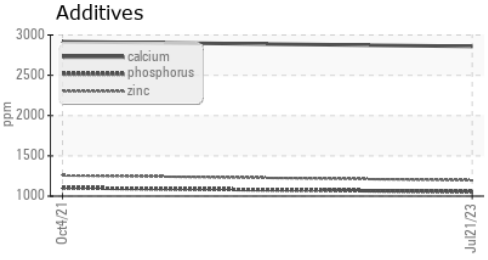
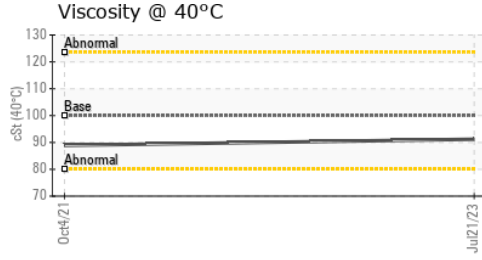
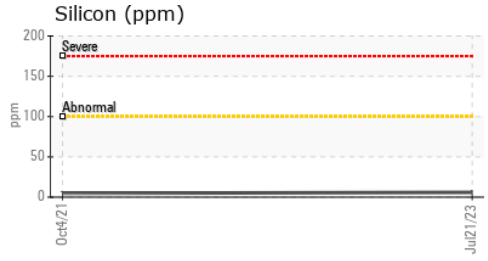
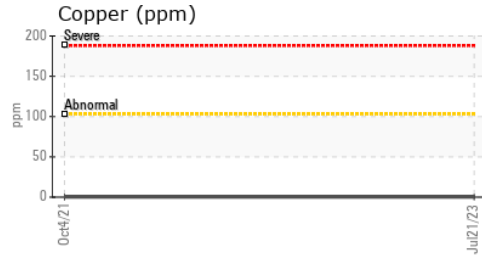
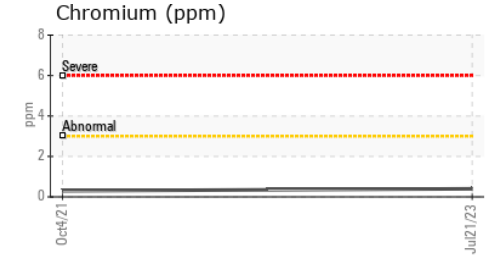
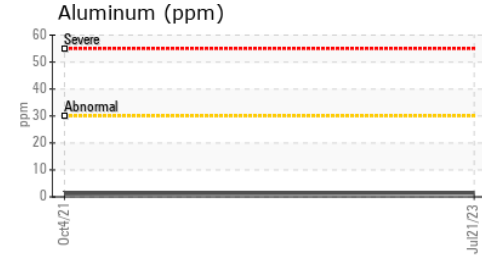
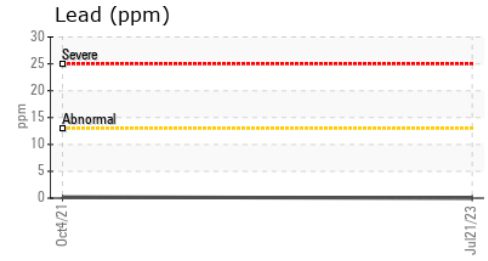
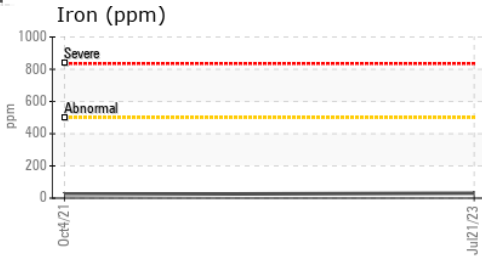
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	100	91.2	88.9	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.2	10.8	10.8	---
Viscosity Index (VI)	Scale	ASTM D2270*	97	102	105	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Green Infrastructure and Partners Inc (GPI) - 286 - Shoring & Foundations
Sample No. : PC0078574 **Received** : 25 Jul 2023 151 Ram Forest Rd,
Lab Number : 02571991 **Diagnosed** : 25 Jul 2023 Stouffville, ON
Unique Number : 5617042 **Diagnostician** : Wes Davis CA L4A 2G8
Test Package : MOB 1 (Additional Tests: KV100, VI) Contact: Shannon Abbott

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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