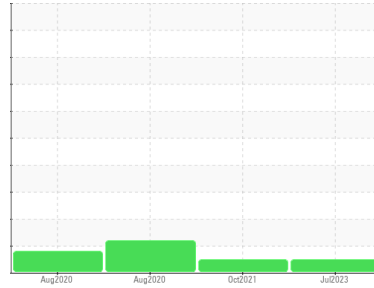


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
OR1050
Component
Front 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		PC0078577	PC0047815	PC0037791
Sample Date	Client Info		21 Jul 2023	04 Oct 2021	06 Aug 2020
Machine Age	hrs	Client Info	7514	5690	4300
Oil Age	hrs	Client Info	1000	0	0
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			NORMAL	NORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	24	16	37
Chromium	ppm	ASTM D5185(m) >3	<1	<1	<1
Nickel	ppm	ASTM D5185(m) >3	0	<1	0
Titanium	ppm	ASTM D5185(m) >2	<1	0	<1
Silver	ppm	ASTM D5185(m) >2	0	<1	0
Aluminum	ppm	ASTM D5185(m) >30	1	1	2
Lead	ppm	ASTM D5185(m) >13	0	<1	<1
Copper	ppm	ASTM D5185(m) >103	<1	<1	<1
Tin	ppm	ASTM D5185(m) >5	0	0	0
Antimony	ppm	ASTM D5185(m) >5	0	0	<1
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)	4	8	22
Barium	ppm	ASTM D5185(m)	0	0	0
Molybdenum	ppm	ASTM D5185(m)	<1	<1	<1
Manganese	ppm	ASTM D5185(m)	<1	<1	1
Magnesium	ppm	ASTM D5185(m)	11	10	10
Calcium	ppm	ASTM D5185(m) 2980	2982	2917	2367
Phosphorus	ppm	ASTM D5185(m) 1100	1096	1110	1059
Zinc	ppm	ASTM D5185(m) 1270	1218	1273	1204
Sulfur	ppm	ASTM D5185(m)	9047	8244	4075
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

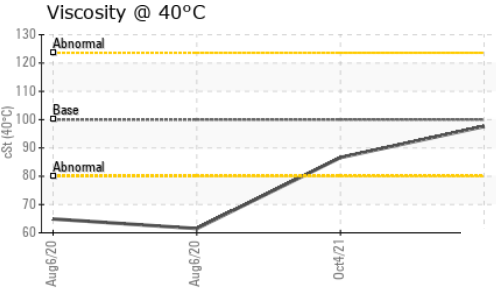
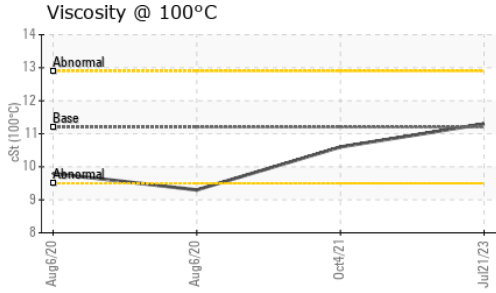
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >100	6	5	8
Sodium	ppm	ASTM D5185(m)	1	1	<1
Potassium	ppm	ASTM D5185(m) >20	<1	1	1

VISUAL

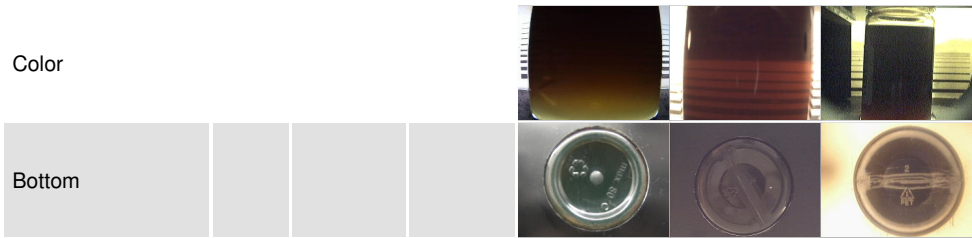
	method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	NONE	VLITE	NONE
Yellow Metal	scalar	Visual* NONE	NONE	NONE	NONE
Precipitate	scalar	Visual* NONE	NONE	NONE	NONE
Silt	scalar	Visual* NONE	NONE	NONE	NONE
Debris	scalar	Visual* NONE	VLITE	NONE	NONE
Sand/Dirt	scalar	Visual* NONE	NONE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

OIL ANALYSIS REPORT

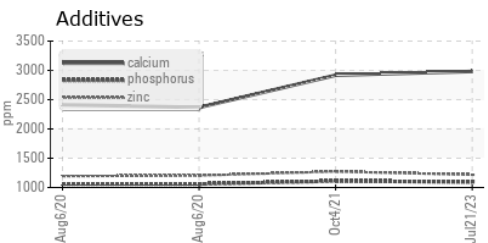
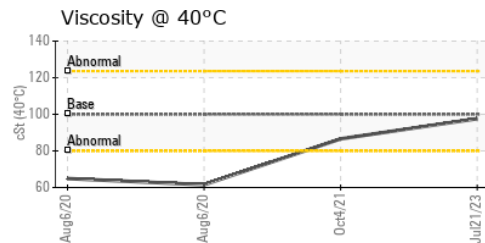
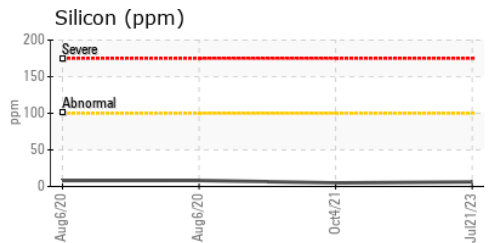
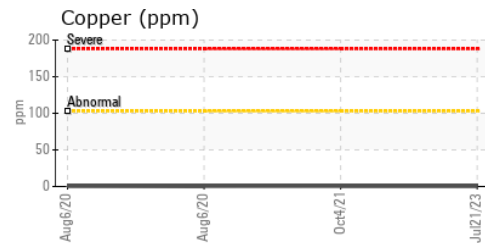
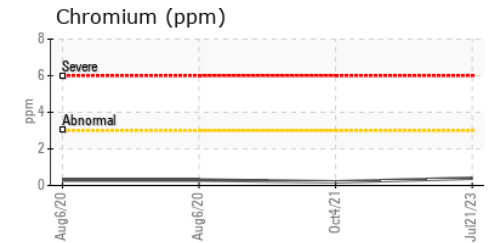
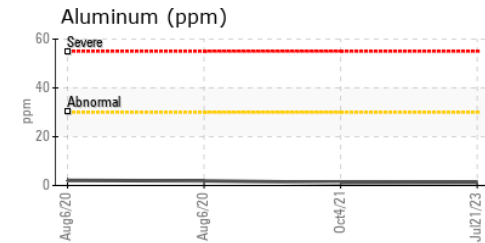
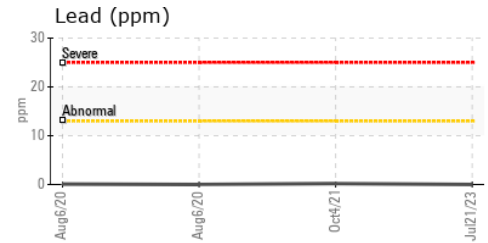
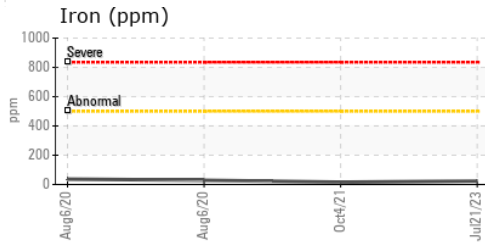


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	100	97.6	86.6	▲ 61.5
Visc @ 100°C	cSt	ASTM D7279(m)	11.2	11.3	10.6	▲ 9.3
Viscosity Index (VI)	Scale	ASTM D2270*	97	101	105	▲ 130

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Green Infrastructure and Partners Inc (GPI) - 286 - Shoring & Foundations
Sample No. : PC0078577 **Received** : 25 Jul 2023 151 Ram Forest Rd, Stouffville, ON
Lab Number : 02571994 **Diagnosed** : 25 Jul 2023 CA L4A 2G8
Unique Number : 5617045 **Diagnostician** : Wes Davis Contact: Shannon Abbott
Test Package : MOB 1 (Additional Tests: KV100, VI) sabbott@gipi.com

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. F: