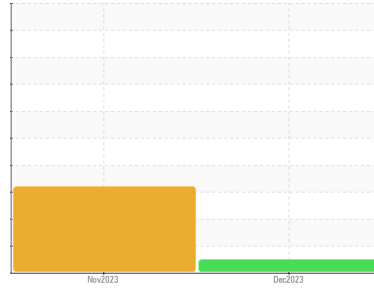




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
MANITOU MT625H FOR431

Component
Rear Right Planetary
Fluid
GEAR OIL LS 80W90 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL LS 80W90. Please confirm.

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		WC0861409	WC0879703	---
Sample Date	Client Info		20 Dec 2023	19 Nov 2023	---
Machine Age	hrs	Client Info	1267	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Not Changed	Changed	---
Sample Status			NORMAL	ABNORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	63	110	---
Chromium	ppm	ASTM D5185(m) >10	<1	2	---
Nickel	ppm	ASTM D5185(m) >10	<1	<1	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m)	0	<1	---
Aluminum	ppm	ASTM D5185(m) >25	2	2	---
Lead	ppm	ASTM D5185(m) >25	6	9	---
Copper	ppm	ASTM D5185(m) >75	167	▲ 345	---
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

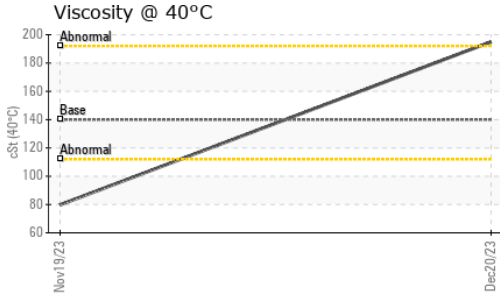
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 150	133	107	---
Barium	ppm	ASTM D5185(m)	3	8	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---
Manganese	ppm	ASTM D5185(m)	<1	2	---
Magnesium	ppm	ASTM D5185(m) 10	2	4	---
Calcium	ppm	ASTM D5185(m) 70	280	817	---
Phosphorus	ppm	ASTM D5185(m) 2000	882	722	---
Zinc	ppm	ASTM D5185(m) 50	603	1691	---
Sulfur	ppm	ASTM D5185(m) 20000	15244	5282	---
Lithium	ppm	ASTM D5185(m)	<1	1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	9	11	---
Sodium	ppm	ASTM D5185(m)	2	3	---
Potassium	ppm	ASTM D5185(m) >20	2	<1	---



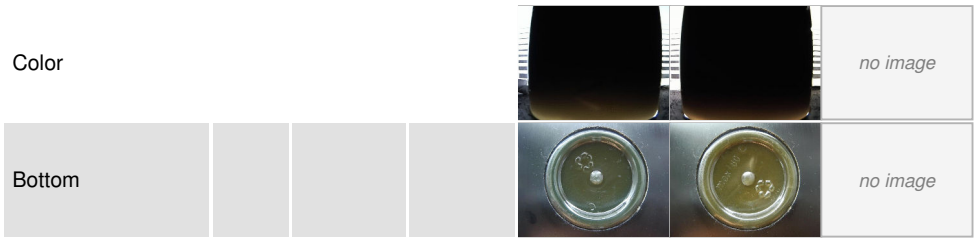
OIL ANALYSIS REPORT



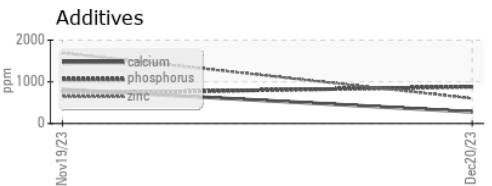
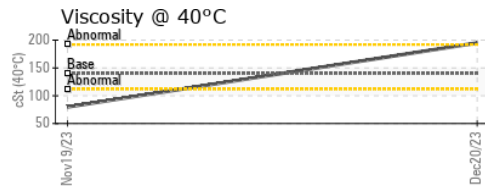
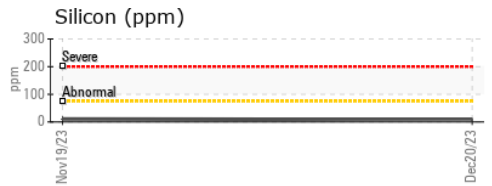
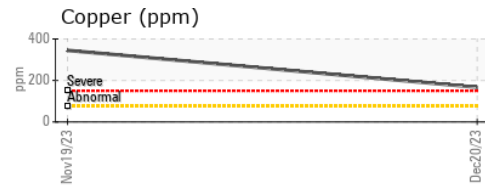
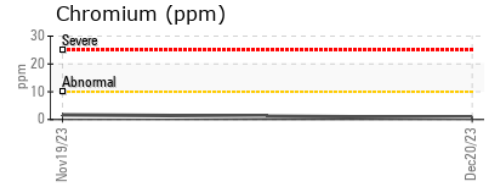
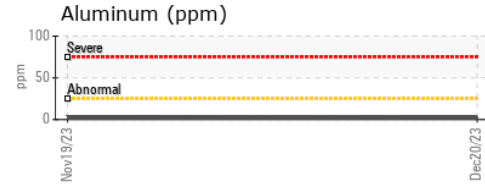
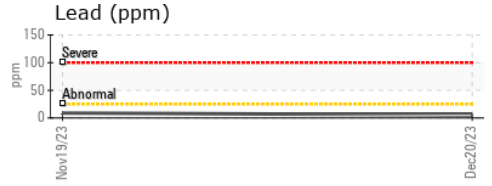
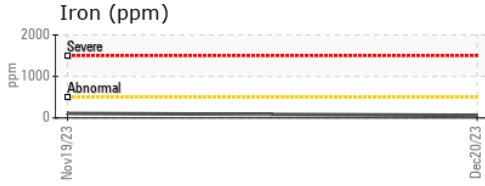
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	VLITE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	▲ 1%

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	140	195	▲ 79.8

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. : WC0861409 **Received** : 27 Dec 2023
Lab Number : 02605378 **Diagnosed** : 27 Dec 2023
Unique Number : 5698463 **Diagnostician** : Kevin Marson
Test Package : MOB 1

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 CA P2N 3J1
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 T: (705)567-5208
 F: (705)567-5221

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.