



# OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id

## MANITOU 625MT FOR 421

Component

Rear Left Planetary

Fluid

GEAR OIL SAE 80W90 (--- GAL)

### DIAGNOSIS

#### ▲ Recommendation

We advise that you check all areas where dirt can enter the system. 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. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

#### Wear

All component wear rates are normal.

#### ▲ Contamination

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

#### 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		WC0925865	---	---
Sample Date	Client Info		30 Jun 2024	---	---
Machine Age	hrs	Client Info	11332	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			ABNORMAL	---	---

### CONTAMINATION

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

### WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		126	---	---
Iron	ppm	ASTM D5185(m) >500	533	---	---
Chromium	ppm	ASTM D5185(m) >10	6	---	---
Nickel	ppm	ASTM D5185(m) >10	<1	---	---
Titanium	ppm	ASTM D5185(m)	2	---	---
Silver	ppm	ASTM D5185(m)	0	---	---
Aluminum	ppm	ASTM D5185(m) >25	26	---	---
Lead	ppm	ASTM D5185(m) >25	<1	---	---
Copper	ppm	ASTM D5185(m) >75	40	---	---
Tin	ppm	ASTM D5185(m) >10	<1	---	---
Antimony	ppm	ASTM D5185(m) >5	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

### ADDITIVES

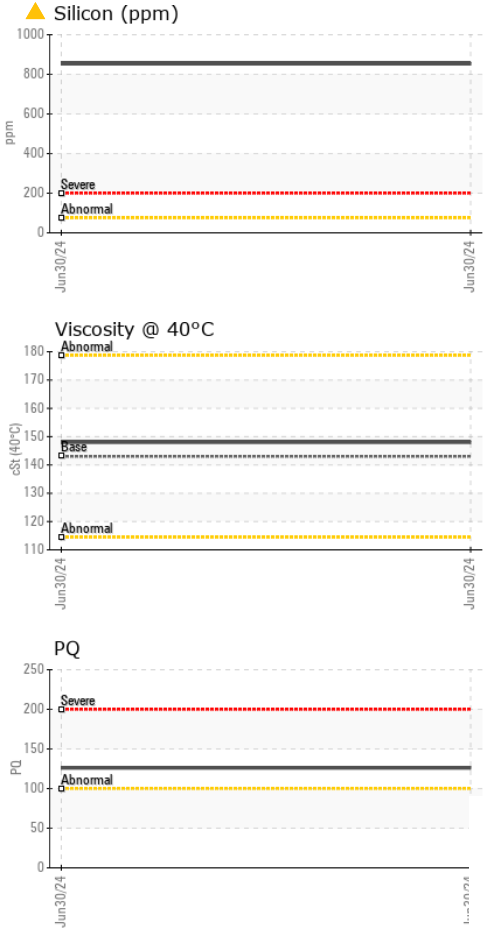
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 400	128	---	---
Barium	ppm	ASTM D5185(m) 200	2	---	---
Molybdenum	ppm	ASTM D5185(m) 12	0	---	---
Manganese	ppm	ASTM D5185(m)	6	---	---
Magnesium	ppm	ASTM D5185(m) 12	13	---	---
Calcium	ppm	ASTM D5185(m) 150	100	---	---
Phosphorus	ppm	ASTM D5185(m) 1650	969	---	---
Zinc	ppm	ASTM D5185(m) 125	73	---	---
Sulfur	ppm	ASTM D5185(m) 22500	18861	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	▲ 853	---	---
Sodium	ppm	ASTM D5185(m) >170	11	---	---
Potassium	ppm	ASTM D5185(m) >20	8	---	---



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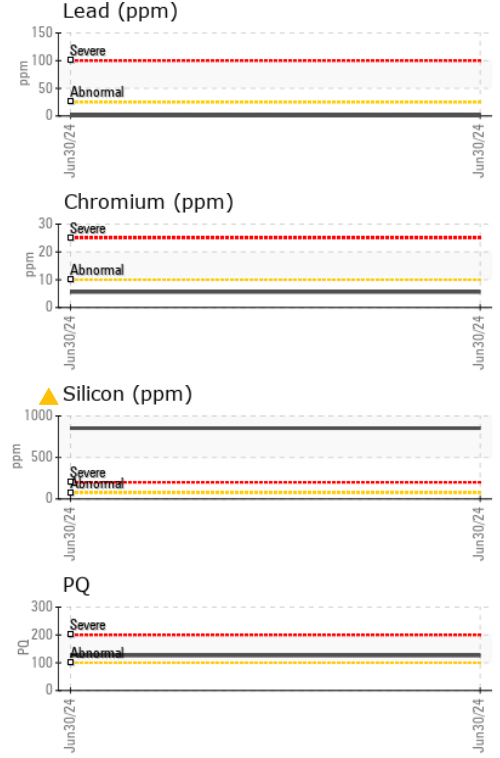
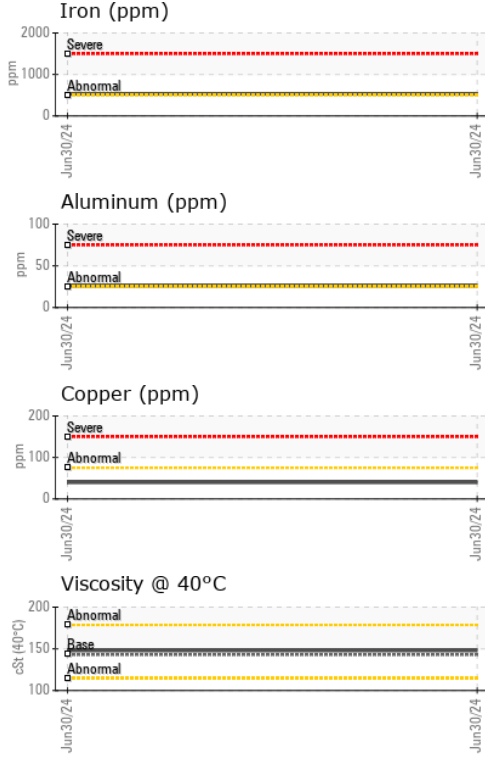
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	VLITE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	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)	143	<b>148</b>	---

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0925865      **Received** : 04 Jul 2024  
**Lab Number** : **02645576**      **Tested** : 05 Jul 2024  
**Unique Number** : 5803115      **Diagnosed** : 08 Jul 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PQ )

**Agnico Eagle Canada**  
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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.