



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**MANITOU 735 FOR422**  
 Component  
**Transmission (Manual)**  
 Fluid  
**ATF (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

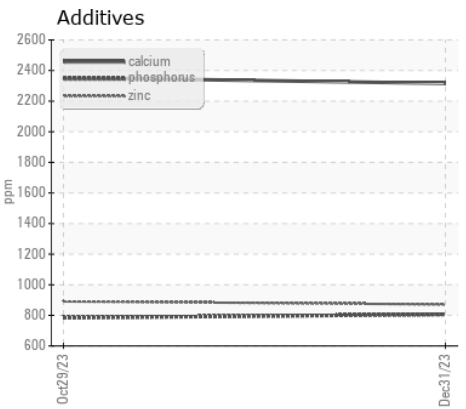
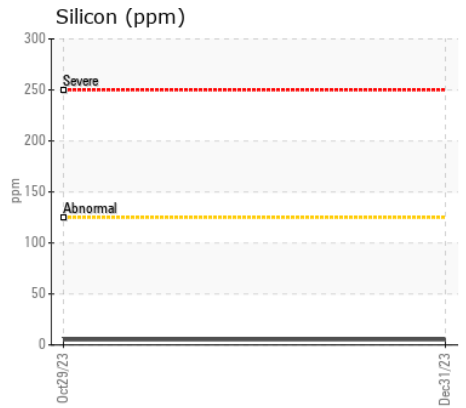
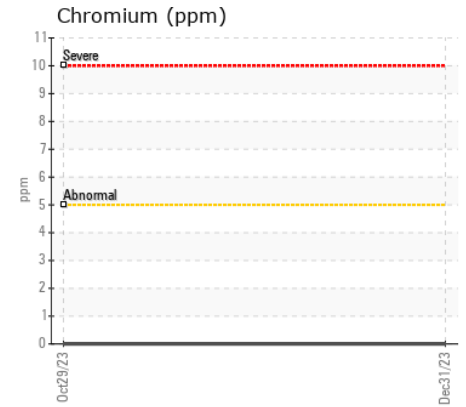
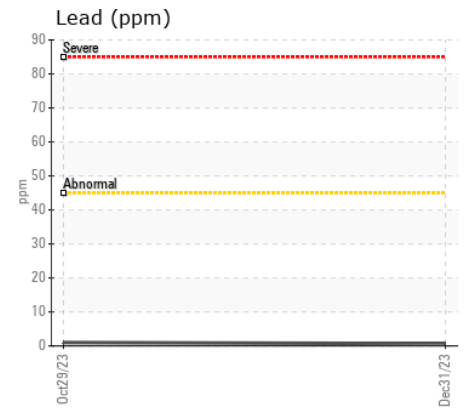
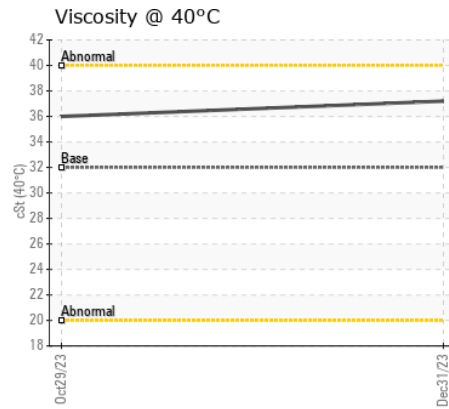
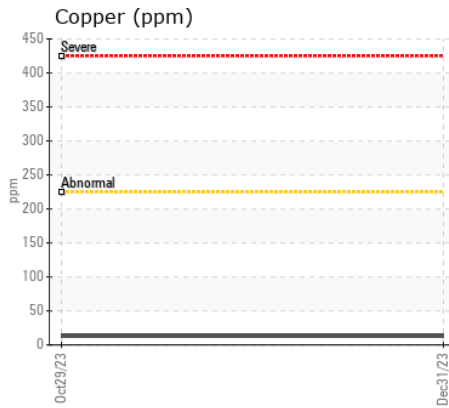
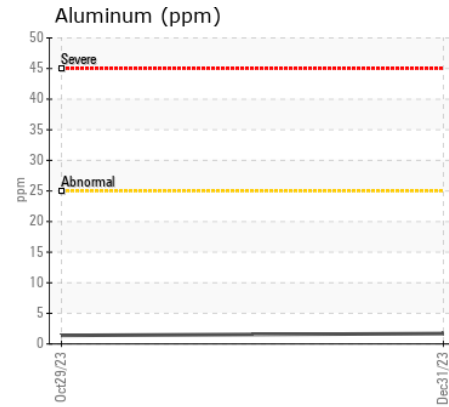
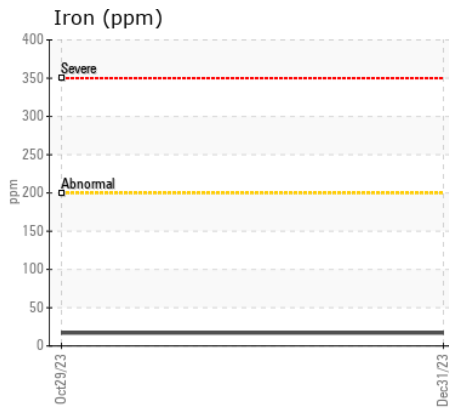
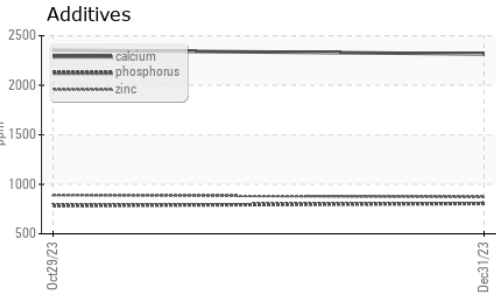
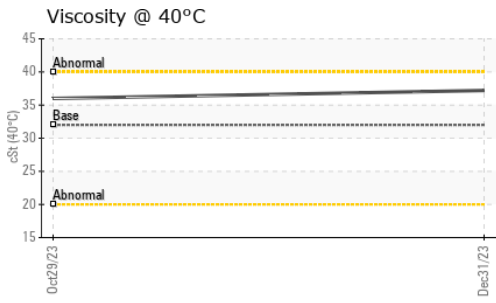
## CONTAMINATION

There is no indication of any contamination in the fluid.

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0886085</b>	WC0865519	---
Sample Date		Client Info		<b>31 Dec 2023</b>	29 Oct 2023	---
Machine Age	hrs	Client Info		<b>10269</b>	10073	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	ATTENTION	---
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Iron	ppm	ASTM D5185(m)	>200	<b>17</b>	17	---
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>7	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	1	---
Lead	ppm	ASTM D5185(m)	>45	<b>&lt;1</b>	1	---
Copper	ppm	ASTM D5185(m)	>225	<b>13</b>	13	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
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Silicon	ppm	ASTM D5185(m)	>125	<b>5</b>	5	---
Potassium	ppm	ASTM D5185(m)	>20	<b>5</b>	1	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	---
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Sodium	ppm	ASTM D5185(m)		<b>4</b>	4	---
Boron	ppm	ASTM D5185(m)		<b>96</b>	98	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m)		<b>21</b>	▲ 21	---
Calcium	ppm	ASTM D5185(m)		<b>2316</b>	▲ 2354	---
Phosphorus	ppm	ASTM D5185(m)		<b>806</b>	▲ 784	---
Zinc	ppm	ASTM D5185(m)		<b>871</b>	▲ 891	---
Sulfur	ppm	ASTM D5185(m)		<b>2631</b>	▲ 2497	---
Visc @ 40°C	cSt	ASTM D7279(m)	32.0	<b>37.2</b>	36.0	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0886085 **Received** : 11 Jan 2024  
**Lab Number** : 02608239 **Diagnosed** : 11 Jan 2024  
**Unique Number** : 5709325 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**Agnico Eagle Canada**  
 1350 Government Rd. W, MACASSA COMPLEX  
 Kirkland Lake, ON  
 CA P2N 3J1  
 Contact: Jay Gould  
 MacassaMobileUGPlanning@agnicoeagle.com  
 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.