



# OIL ANALYSIS REPORT

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

Area  
**[100070529]**  
 Machine Id  
**MANITOU MT625 FOR432**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC</b>	WC0914377	WC0899943
Sample Date		Client Info		<b>19 Apr 2024</b>	29 Mar 2024	16 Mar 2024
Machine Age	hrs	Client Info		<b>0</b>	407	1165
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	MARGINAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>5</b>	9	3
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	2	<1
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	16	<1
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

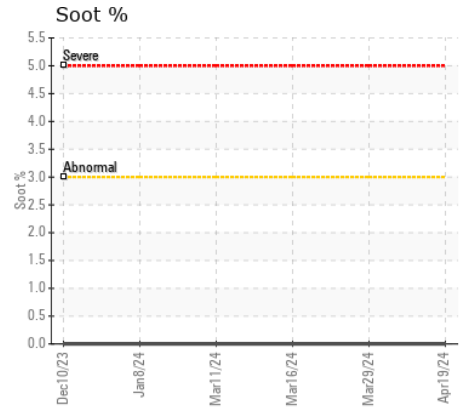
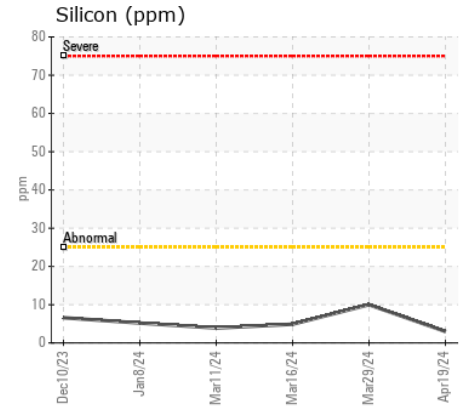
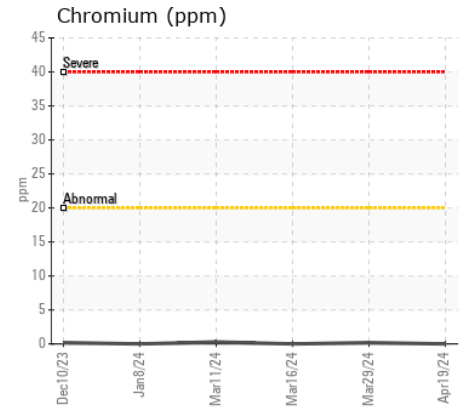
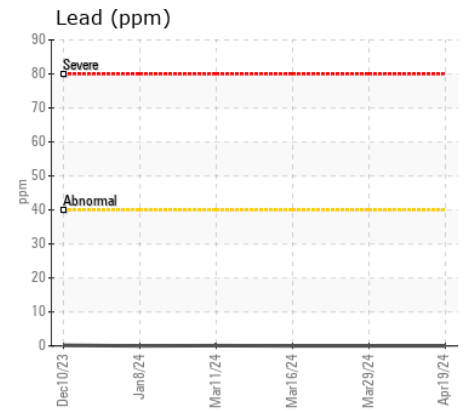
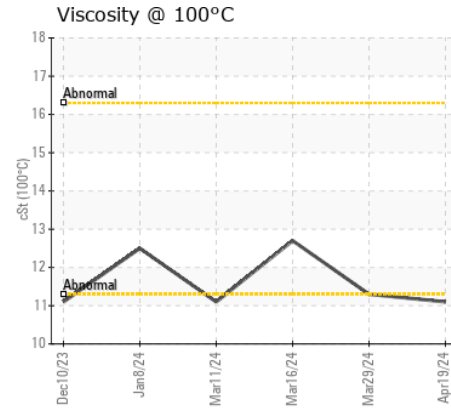
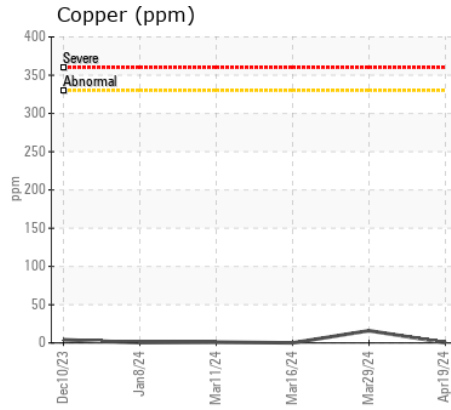
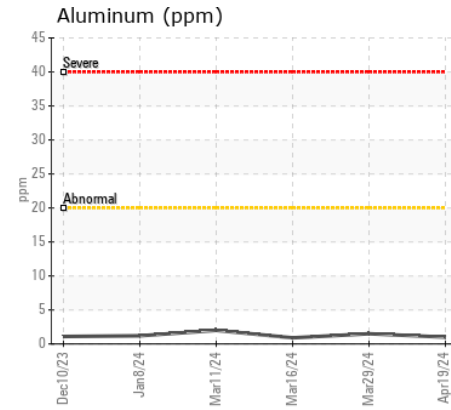
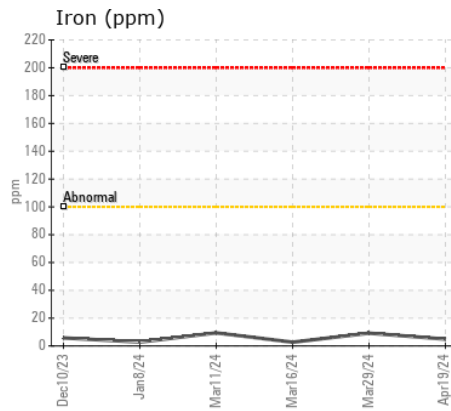
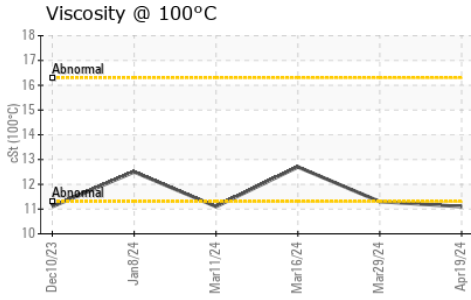
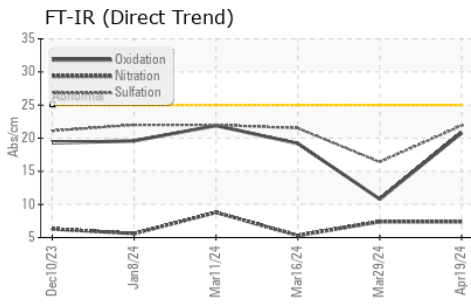
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	10	5
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	3	<1
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	▲ 3.9
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.4</b>	7.4	5.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>21.9</b>	16.4	21.5
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>118	<b>3</b>	4	2
Boron	ppm	ASTM D5185(m)		<b>38</b>	4	57
Barium	ppm	ASTM D5185(m)		<b>0</b>	4	0
Molybdenum	ppm	ASTM D5185(m)		<b>36</b>	1	37
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	0
Magnesium	ppm	ASTM D5185(m)		<b>466</b>	9	484
Calcium	ppm	ASTM D5185(m)		<b>1603</b>	2411	1631
Phosphorus	ppm	ASTM D5185(m)		<b>687</b>	853	702
Zinc	ppm	ASTM D5185(m)		<b>802</b>	952	812
Sulfur	ppm	ASTM D5185(m)		<b>1909</b>	3414	2040
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>20.8</b>	10.8	19.2
Visc @ 100°C	cSt	ASTM D7279(m)		<b>11.1</b>	11.3	12.7



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC  
**Lab Number** : 02632250  
**Unique Number** : 5773403  
**Test Package** : MOB 1

**Received** : 30 Apr 2024  
**Tested** : 30 Apr 2024  
**Diagnosed** : 30 Apr 2024 - Wes Davis

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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.