



# OIL ANALYSIS REPORT

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

Area  
**AGNICO EAGLE**  
Machine Id  
**KUBOTA RTVX900 MCP726**  
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>WC0892425</b>	WC0892412	WC0798609
Sample Date		Client Info		<b>14 Jan 2024</b>	28 Dec 2023	20 Sep 2023
Machine Age	hrs	Client Info		<b>3472</b>	3412	3126
Oil Age	hrs	Client Info		<b>0</b>	0	23
Filter Age	hrs	Client Info		<b>0</b>	0	23
Oil Changed		Client Info		<b>N/A</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>18</b>	▲ 145	32
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	4	1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>6</b>	▲ 22	7
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	2	<1
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

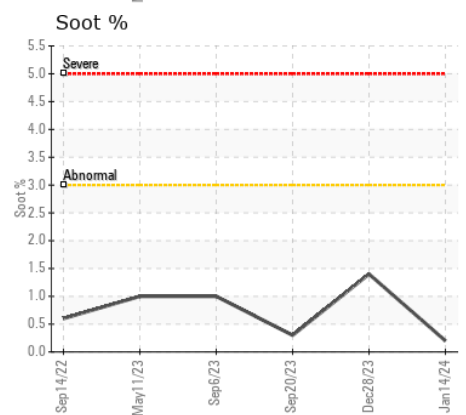
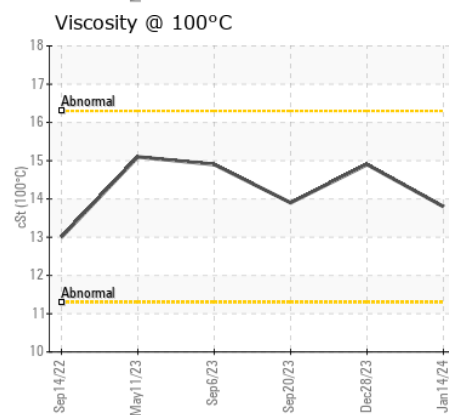
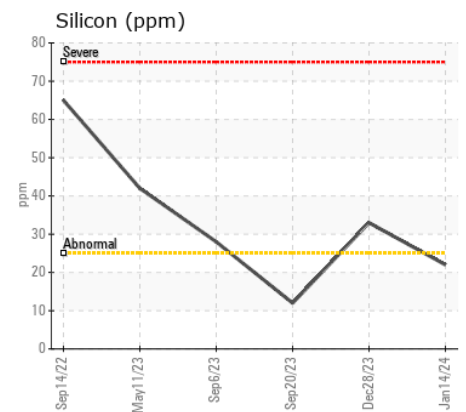
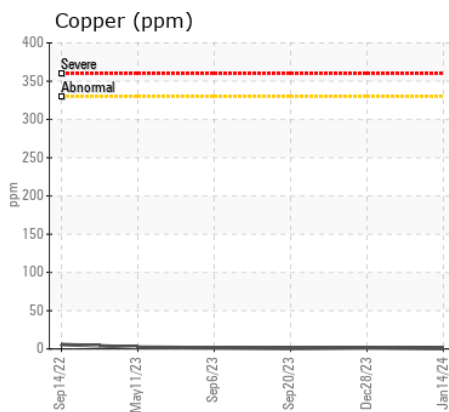
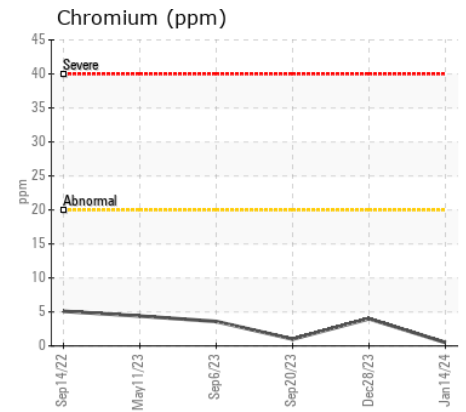
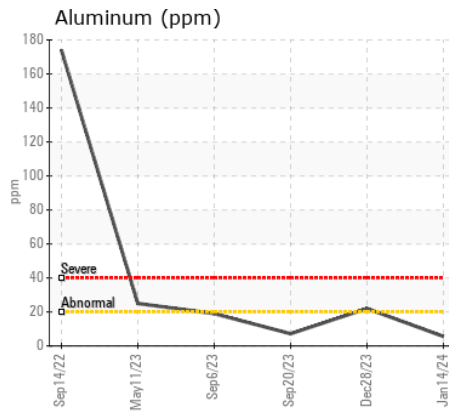
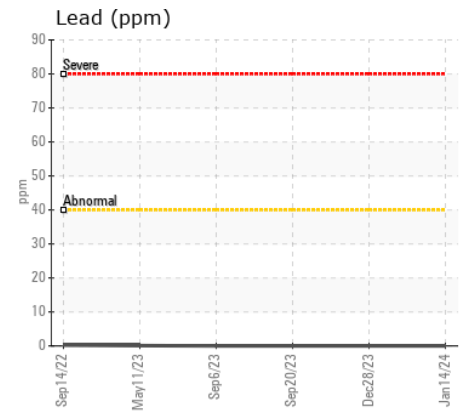
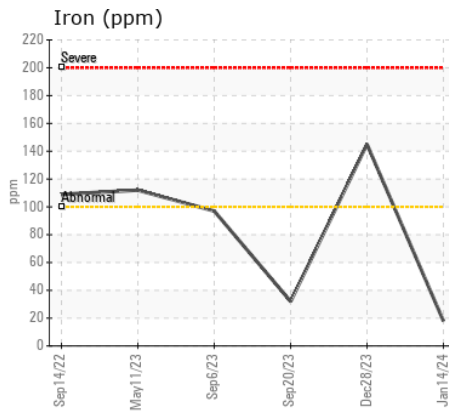
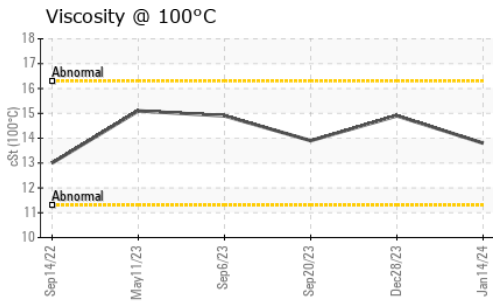
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>22</b>	▲ 33	12
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	0	0
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0.2</b>	1.4	0.3
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.4</b>	12.4	7.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>23.3</b>	25.1	23.6
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>	6	4
Boron	ppm	ASTM D5185(m)		<b>50</b>	42	54
Barium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)		<b>42</b>	84	44
Manganese	ppm	ASTM D5185(m)		<b>0</b>	1	0
Magnesium	ppm	ASTM D5185(m)		<b>509</b>	540	533
Calcium	ppm	ASTM D5185(m)		<b>1697</b>	2068	1795
Phosphorus	ppm	ASTM D5185(m)		<b>739</b>	831	746
Zinc	ppm	ASTM D5185(m)		<b>854</b>	1016	896
Sulfur	ppm	ASTM D5185(m)		<b>2132</b>	2133	2037
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>20.8</b>	22.2	20.9
Visc @ 100°C	cSt	ASTM D7279(m)		<b>13.8</b>	14.9	13.9



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0892425  
**Lab Number** : 02609215  
**Unique Number** : 5710301  
**Test Package** : MOB 1

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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.