



# 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>WC0933382</b>	WC0879682	WC0892425
Sample Date		Client Info		<b>05 May 2024</b>	26 Feb 2024	14 Jan 2024
Machine Age	hrs	Client Info		<b>3904</b>	3658	3472
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>Changed</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>49</b>	64	18
Chromium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>11</b>	15	6
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

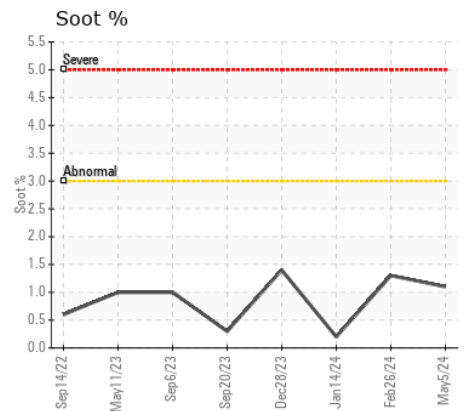
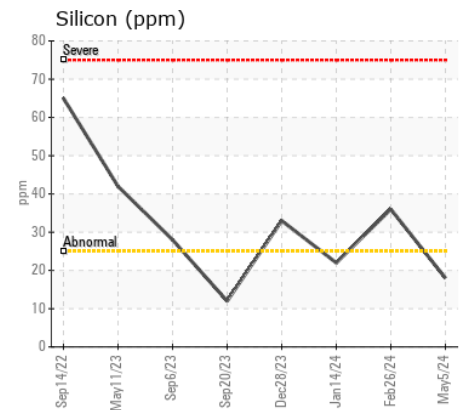
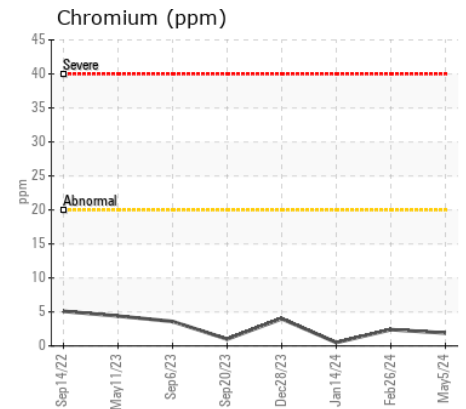
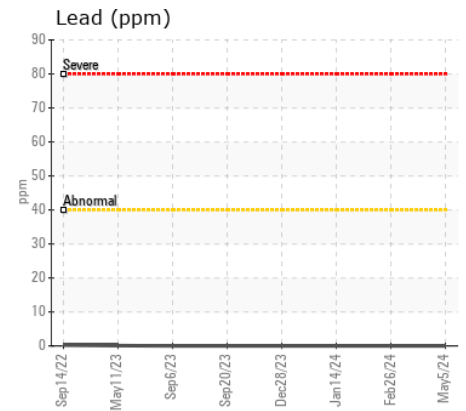
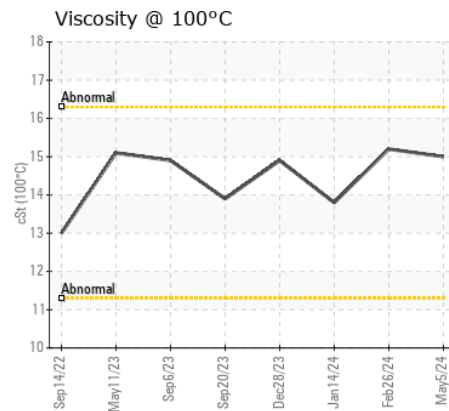
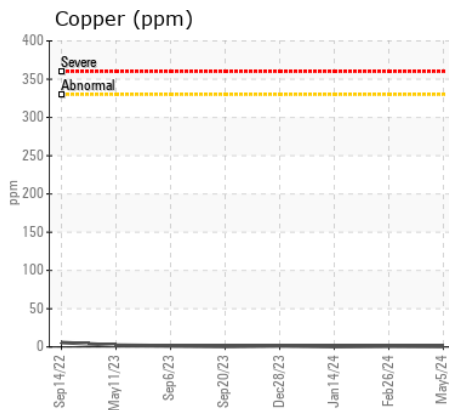
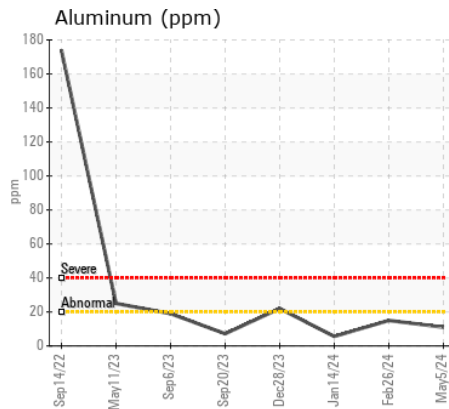
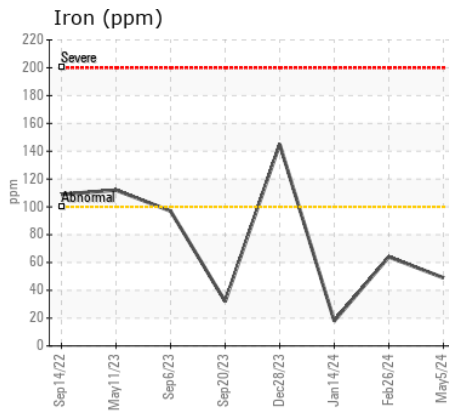
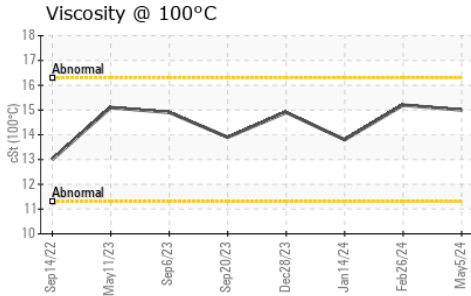
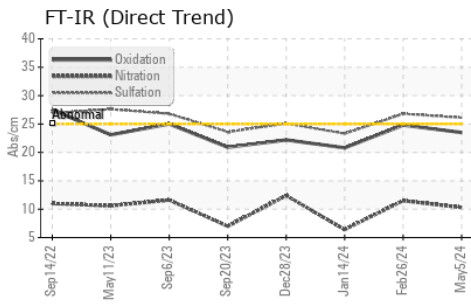
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>18</b>	▲ 36	22
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	3	1
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>1.1</b>	1.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>10.3</b>	11.5	6.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>26.1</b>	26.8	23.3
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>4</b>	5	3
Boron	ppm	ASTM D5185(m)		<b>42</b>	39	50
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>44</b>	47	42
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185(m)		<b>567</b>	574	509
Calcium	ppm	ASTM D5185(m)		<b>1913</b>	1942	1697
Phosphorus	ppm	ASTM D5185(m)		<b>768</b>	791	739
Zinc	ppm	ASTM D5185(m)		<b>950</b>	955	854
Sulfur	ppm	ASTM D5185(m)		<b>2033</b>	2095	2132
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>23.5</b>	24.8	20.8
Visc @ 100°C	cSt	ASTM D7279(m)		<b>15.0</b>	15.2	13.8



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0933382  
**Lab Number** : 02634459  
**Unique Number** : 5775612  
**Test Package** : MOB 1

**Received** : 10 May 2024  
**Tested** : 10 May 2024  
**Diagnosed** : 10 May 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.