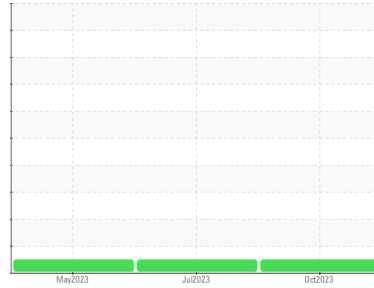




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**KUBOTA RTV X1140 MCP752 (S/N 100015583)**

Component  
**Diesel Engine**

Fluid  
**PETRO CANADA DURON HP 15W40 (--- GAL)**

## DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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 oil.

### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0848126</b>	WC0826317	WC0749578
Sample Date	Client Info			<b>15 Oct 2023</b>	19 Jul 2023	26 May 2023
Machine Age	hrs	Client Info		<b>1227</b>	883	693
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<b>&lt;1.0</b>	<1.0	<1.0
Glycol	WC Method			<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	<b>60</b>	17	86
Chromium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	2
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>7</b>	3	11
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m)	>330	<b>3</b>	2	37
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<b>38</b>	48	23
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	4
Molybdenum	ppm	ASTM D5185(m)	60	<b>46</b>	49	68
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	3
Magnesium	ppm	ASTM D5185(m)	1010	<b>555</b>	585	602
Calcium	ppm	ASTM D5185(m)	1070	<b>1844</b>	1594	1876
Phosphorus	ppm	ASTM D5185(m)	1150	<b>770</b>	819	1059
Zinc	ppm	ASTM D5185(m)	1270	<b>957</b>	916	1239
Sulfur	ppm	ASTM D5185(m)	2060	<b>2036</b>	2118	2481
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

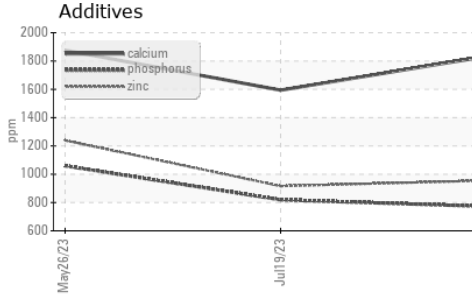
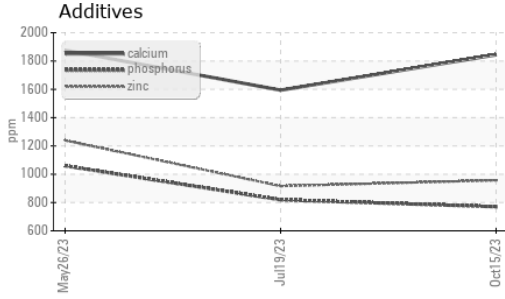
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>12</b>	8	16
Sodium	ppm	ASTM D5185(m)		<b>5</b>	3	3
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0.6</b>	0.1	0.5
Nitration	Abs/cm	ASTM D7624*	>20	<b>10.6</b>	7.2	10.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>25.2</b>	22.9	23.8

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>24.7</b>	20.3	19.7



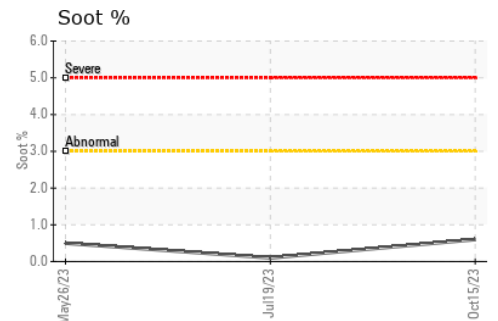
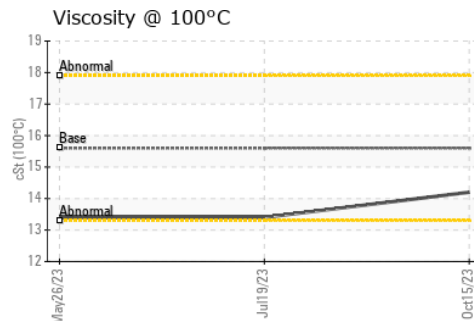
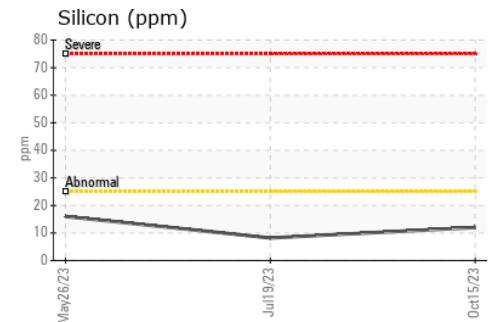
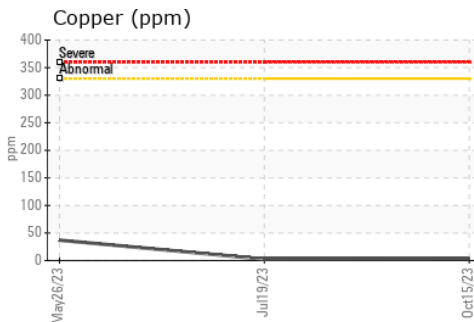
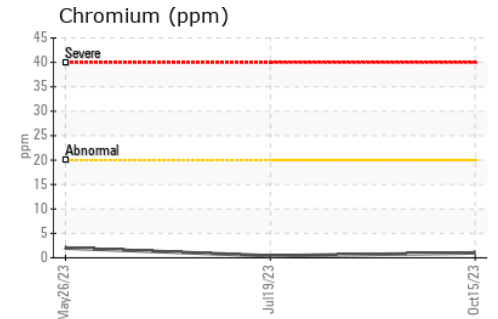
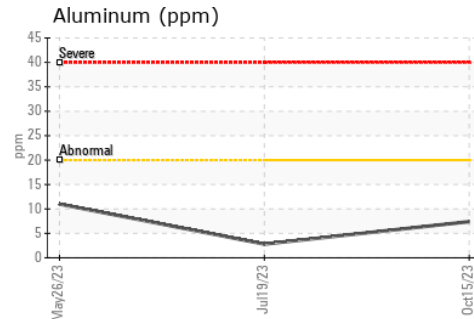
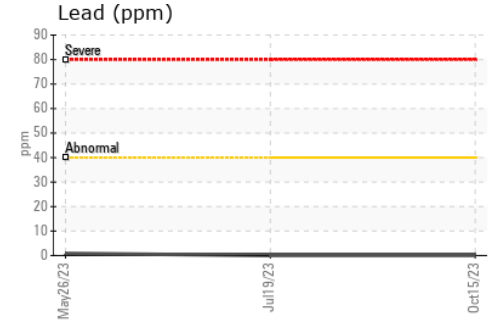
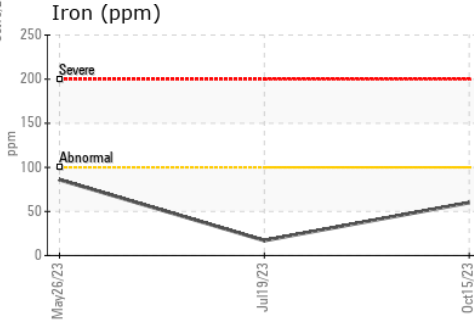
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	14.2	13.4

## GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
 Sample No. : WC0848126  
 Lab Number : 02592021  
 Unique Number : 5669100  
 Test Package : MOB 1

**Agnico Eagle Canada**  
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 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.