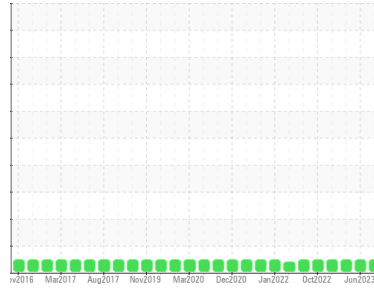




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**NOVA BUS 1601**

Component  
**Natural Gas Engine**

Fluid  
**VALVOLINE PREMIUM BLUE 9200 15W40 (--- GAL)**

## DIAGNOSIS

### 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 oil.

### Fluid Condition

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>WC0849775</b>	WC0811515	WC0791289
Sample Date	Client Info	<b>30 Sep 2023</b>	29 Jun 2023	02 Apr 2023
Machine Age	kms Client Info	<b>0</b>	0	419071
Oil Age	kms Client Info	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >50	<b>10</b>	12	13
Chromium	ppm ASTM D5185(m) >4	<b>1</b>	1	1
Nickel	ppm ASTM D5185(m) >2	<b>0</b>	<1	<1
Titanium	ppm ASTM D5185(m)	<b>0</b>	<1	2
Silver	ppm ASTM D5185(m) >3	<b>&lt;1</b>	0	0
Aluminum	ppm ASTM D5185(m) >9	<b>2</b>	2	2
Lead	ppm ASTM D5185(m) >30	<b>11</b>	15	4
Copper	ppm ASTM D5185(m) >35	<b>&lt;1</b>	<1	<1
Tin	ppm ASTM D5185(m) >4	<b>&lt;1</b>	1	<1
Antimony	ppm ASTM D5185(m)	<b>0</b>	0	0
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)	<b>17</b>	12	13
Barium	ppm ASTM D5185(m)	<b>&lt;1</b>	0	0
Molybdenum	ppm ASTM D5185(m)	<b>58</b>	57	56
Manganese	ppm ASTM D5185(m)	<b>0</b>	<1	<1
Magnesium	ppm ASTM D5185(m)	<b>933</b>	959	881
Calcium	ppm ASTM D5185(m)	<b>1384</b>	1389	1410
Phosphorus	ppm ASTM D5185(m)	<b>782</b>	807	780
Zinc	ppm ASTM D5185(m)	<b>982</b>	966	916
Sulfur	ppm ASTM D5185(m)	<b>1957</b>	1952	1959
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >+100	<b>6</b>	5	5
Sodium	ppm ASTM D5185(m)	<b>5</b>	4	5
Potassium	ppm ASTM D5185(m) >20	<b>&lt;1</b>	<1	<1

## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% ASTM D7844*	<b>0</b>	0	0
Nitration	Abs/cm ASTM D7624*	<b>11.7</b>	13.8	9.2
Sulfation	Abs/.1mm ASTM D7415*	<b>24.8</b>	26.3	22.4

## FLUID DEGRADATION

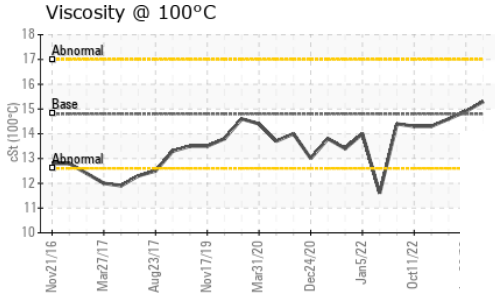
method	limit/base	current	history1	history2
Oxidation	Abs/.1mm ASTM D7414*	<b>22.3</b>	24.7	14.8

## VISUAL

method	limit/base	current	history1	history2
Emulsified Water	scalar Visual*	<b>NEG</b>	NEG	NEG
Free Water	scalar Visual*	<b>NEG</b>	NEG	NEG

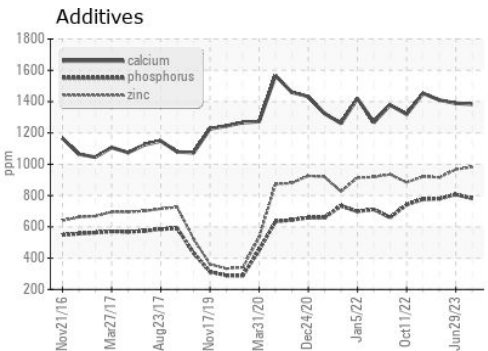
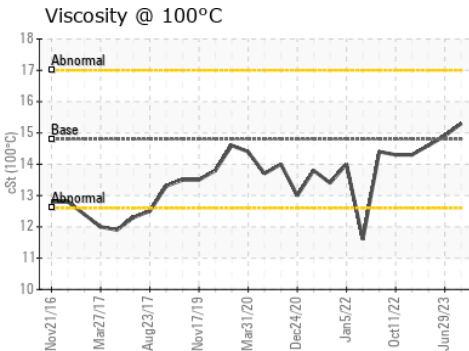
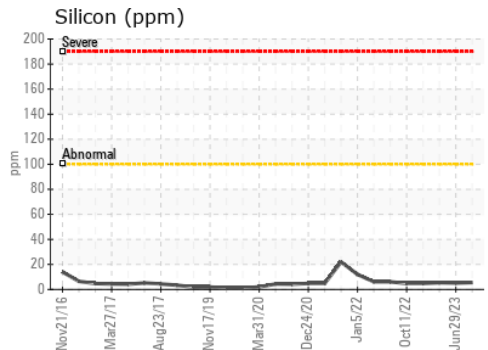
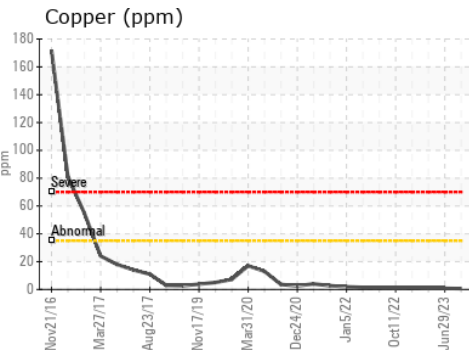
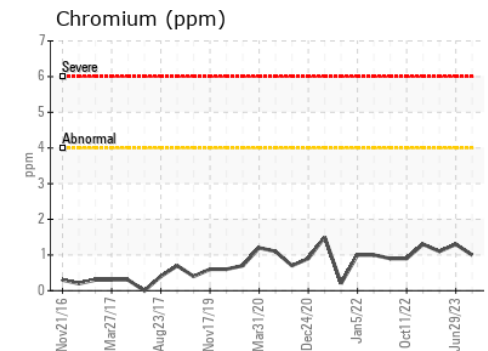
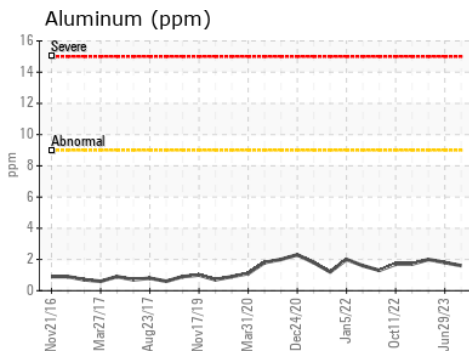
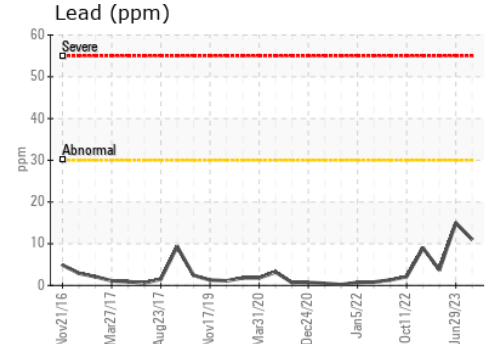
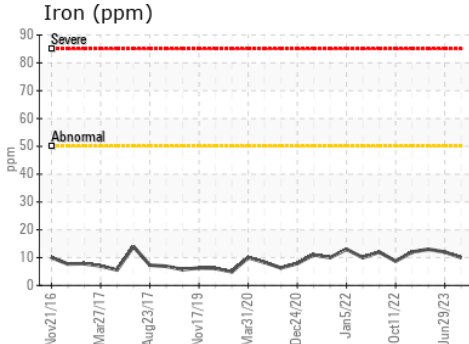


# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.8	15.3	14.9	14.6

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0849775 **Received** : 04 Oct 2023  
**Lab Number** : 02586628 **Diagnosed** : 04 Oct 2023  
**Unique Number** : 5655694 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**CITY OF HAMILTON**  
 2200 UPPER JAMES., MOUNTAIN TRANSIT STOREROOM  
 MOUNT HOPE, ON  
 CA L0R 1W0  
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 T: (905)546-2424  
 F: (905)679-4502

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.