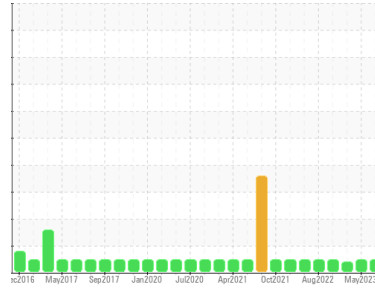




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**[1485716]**  
 Machine Id  
**NOVA BUS 1629**  
 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>WC0830195</b>	WC0811564	WC0767162
Sample Date	Client Info		<b>03 Aug 2023</b>	04 May 2023	27 Jan 2023
Machine Age	kms	Client Info	<b>441511</b>	425231	406152
Oil Age	kms	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>Changed</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >50	<b>10</b>	14	15
Chromium	ppm	ASTM D5185(m) >4	<b>1</b>	2	2
Nickel	ppm	ASTM D5185(m) >2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	2	3
Silver	ppm	ASTM D5185(m) >3	<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185(m) >9	<b>2</b>	3	2
Lead	ppm	ASTM D5185(m) >30	<b>&lt;1</b>	1	1
Copper	ppm	ASTM D5185(m) >35	<b>10</b>	11	13
Tin	ppm	ASTM D5185(m) >4	<b>0</b>	<1	<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)	<b>7</b>	6	5
Barium	ppm	ASTM D5185(m)	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	<b>52</b>	52	52
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	<b>819</b>	804	785
Calcium	ppm	ASTM D5185(m)	<b>1217</b>	1283	1315
Phosphorus	ppm	ASTM D5185(m)	<b>666</b>	722	722
Zinc	ppm	ASTM D5185(m)	<b>865</b>	838	833
Sulfur	ppm	ASTM D5185(m)	<b>1865</b>	1890	1917
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	6
Sodium	ppm	ASTM D5185(m)	<b>5</b>	4	6
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	0	<1

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624* >20	<b>12.4</b>	13.2	11.4
Sulfation	Abs/.1mm	ASTM D7415* >30	<b>24.6</b>	25.1	23.2

## FLUID DEGRADATION

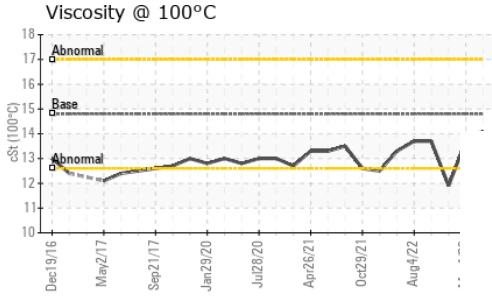
	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414* >25	<b>21.9</b>	23.1	19.5

## VISUAL

	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual* >0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*	<b>NEG</b>	NEG	NEG

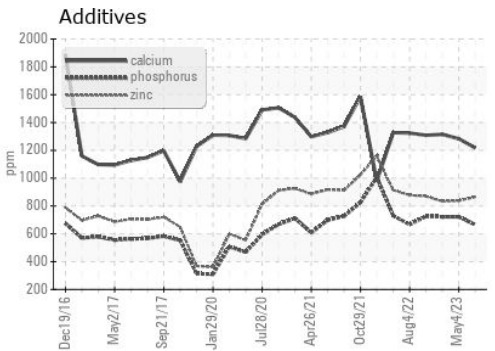
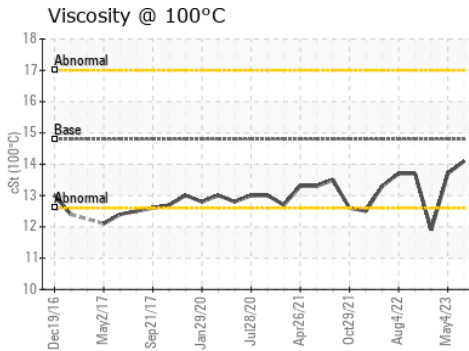
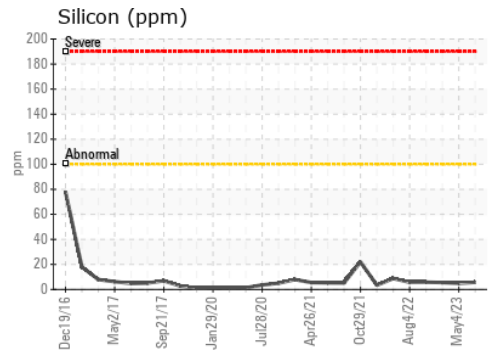
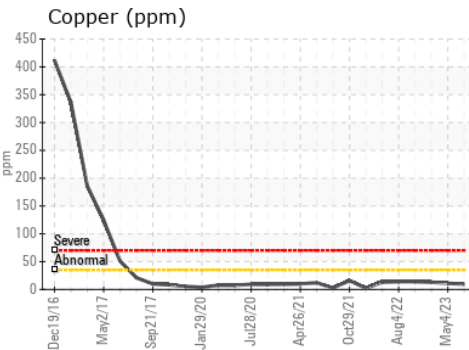
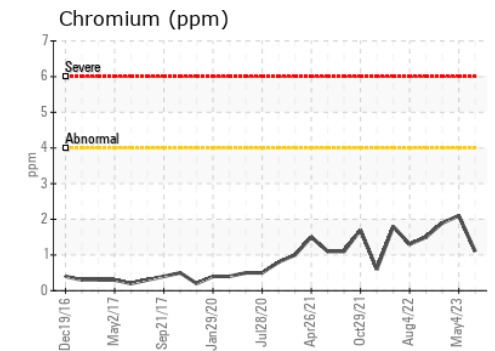
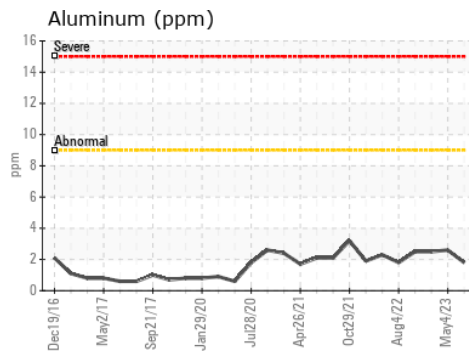
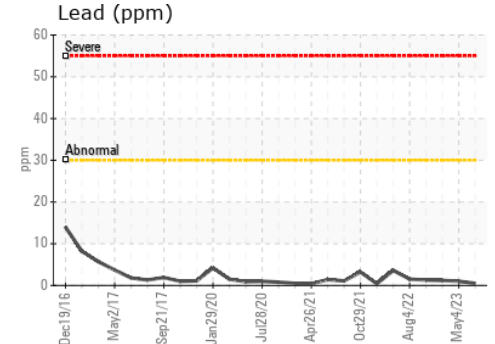
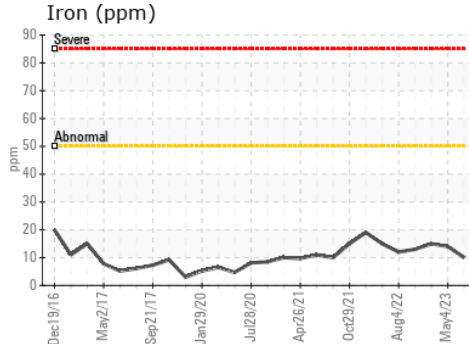


# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.8	14.1	13.7	▲ 11.9

## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
 Sample No. : WC0830195 Received : 14 Aug 2023  
 Lab Number : 02575606 Diagnosed : 14 Aug 2023  
 Unique Number : 5620657 Diagnostician : Wes Davis  
 Test Package : MOB 1

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.

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