



# OIL ANALYSIS REPORT

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

Machine Id  
**NO UNIT CU0018368**  
 Component  
**Diesel Engine**  
 Fluid  
**{not provided} (--- GAL)**

## RECOMMENDATION

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

## WEAR

All component wear rates are normal.

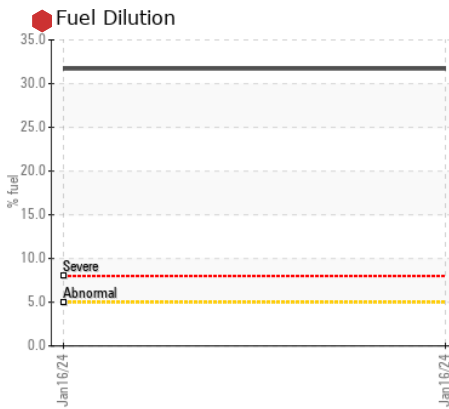
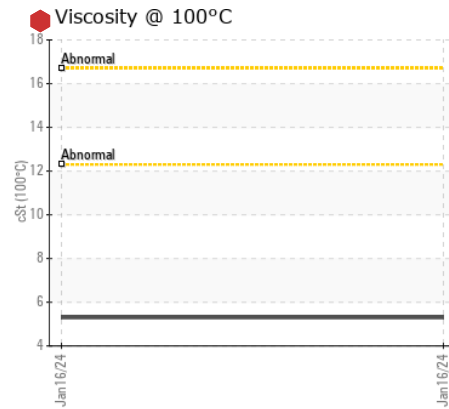
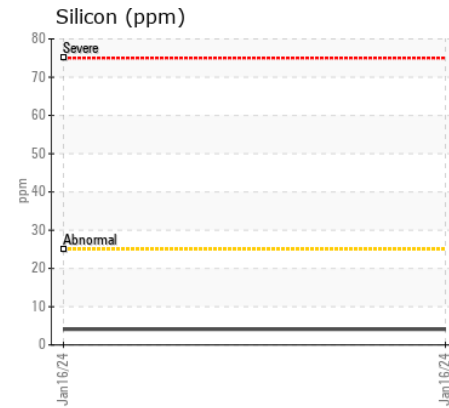
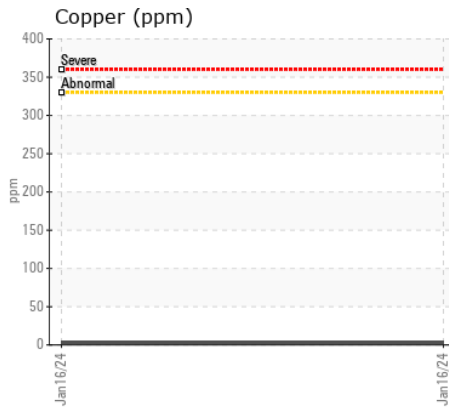
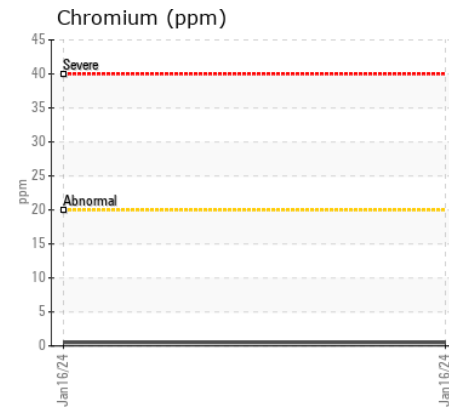
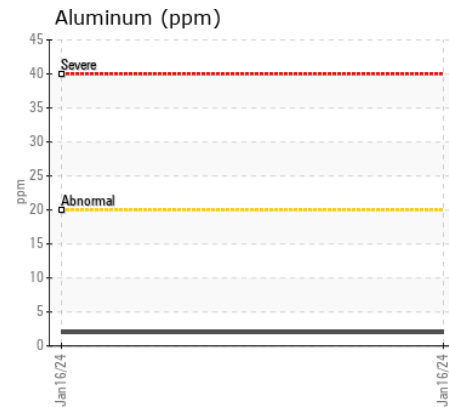
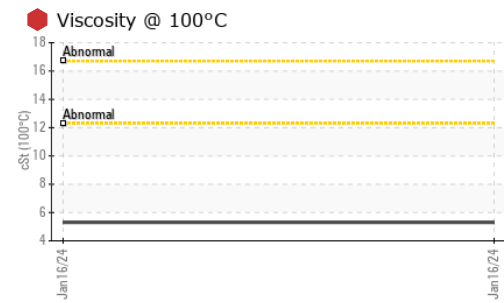
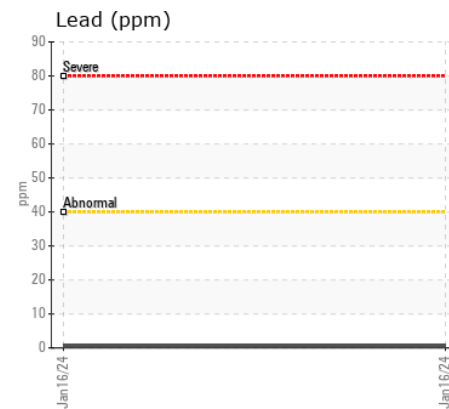
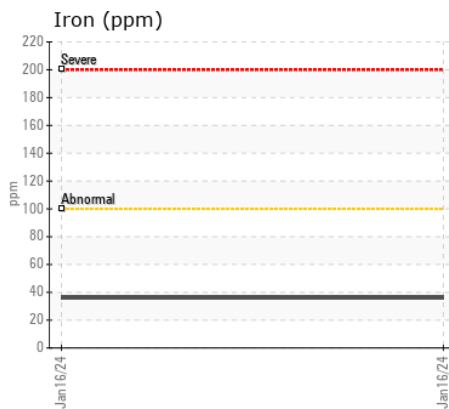
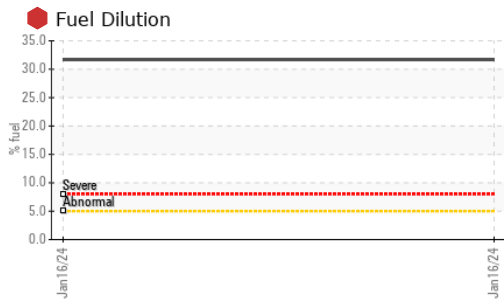
## CONTAMINATION

There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

## FLUID CONDITION

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>CU0018368</b>	---	---
Sample Date		Client Info		<b>16 Jan 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>SEVERE</b>	---	---
<hr/>						
Iron	ppm	ASTM D5185(m)	>100	<b>36</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	---	---
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	>330	<b>3</b>	---	---
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
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Silicon	ppm	ASTM D5185(m)	>25	<b>4</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	---	---
Fuel	%	ASTM D7593*	>5	<b>31.7</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*	>3	<b>0.1</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>16.9</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>32.9</b>	---	---
Silt	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---
<hr/>						
Sodium	ppm	ASTM D5185(m)		<b>12</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>11</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>3</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>377</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>676</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>372</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>411</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>1356</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>49.3</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		<b>5.3</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0018368 **Received** : 17 Jan 2024  
**Lab Number** : 02609226 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 5710312 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, PercentFuel, Visual )

**Vision Truck Group**  
 300 Steelwell Road  
 Brampton, ON  
 CA L6T 5T3  
 Contact: Service Manager  
 HROMAS@VISIONTRUCKGROUP.COM

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.