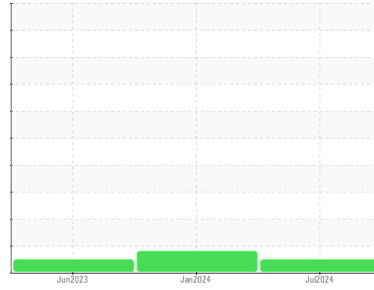




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

[69675]

Machine Id

**VOLVO VNL 4608**

Component

**Diesel Engine**

Fluid

**PETRO CANADA DURON SAE 10W30 (--- 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>WC0948205</b>	WC0895326	WC0816589
Sample Date	Client Info			<b>12 Jul 2024</b>	06 Jan 2024	09 Jun 2023
Machine Age	mths	Client Info		<b>31</b>	439017	322147
Oil Age	mths	Client Info		<b>7</b>	0	0
Oil Changed	Client Info			<b>Changed</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>6.0		<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>	0.0	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	<b>56</b>	79	64
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	▲ 4	2
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>25	<b>4</b>	9	5
Lead	ppm	ASTM D5185(m)	>40	<b>2</b>	2	3
Copper	ppm	ASTM D5185(m)	>330	<b>11</b>	13	19
Tin	ppm	ASTM D5185(m)	>15	<b>2</b>	2	3
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

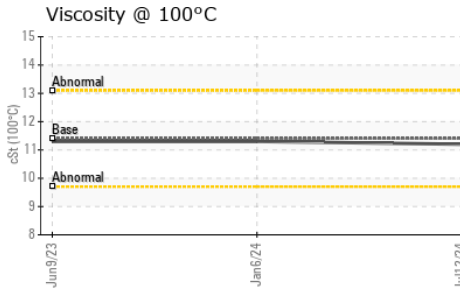
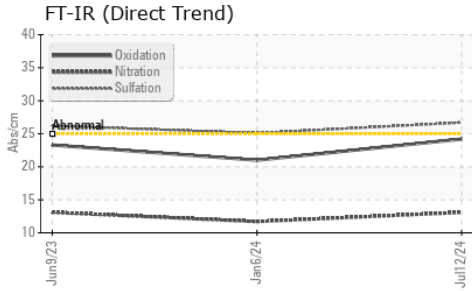
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	1	<b>3</b>	2	7
Barium	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	1	<b>62</b>	59	64
Manganese	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185(m)	10	<b>863</b>	864	878
Calcium	ppm	ASTM D5185(m)	2942	<b>1208</b>	1208	1308
Phosphorus	ppm	ASTM D5185(m)	1102	<b>1087</b>	899	1018
Zinc	ppm	ASTM D5185(m)	1351	<b>1177</b>	1141	1187
Sulfur	ppm	ASTM D5185(m)	3903	<b>2255</b>	2193	2108
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>6</b>	9	9
Sodium	ppm	ASTM D5185(m)		<b>3</b>	2	2
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	8	6

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0.8</b>	0.9	0.9
Nitration	Abs/cm	ASTM D7624*	>20	<b>13.1</b>	11.7	13.1
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>26.7</b>	25.1	26.2



# OIL ANALYSIS REPORT



FLUID DEGRADATION	method	limit/base	current	history1	history2
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Oxidation	Abs./1mm	ASTM D7414*	>25	<b>24.2</b>	21.0	23.3
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VISUAL	method	limit/base	current	history1	history2
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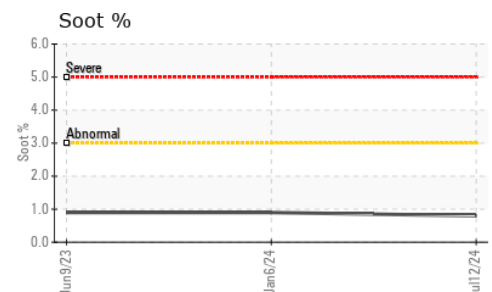
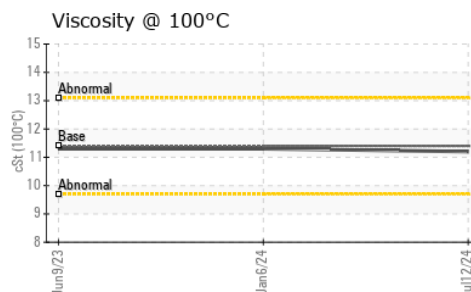
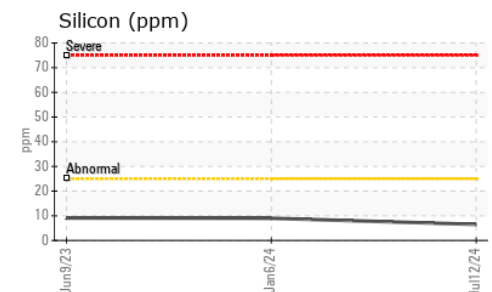
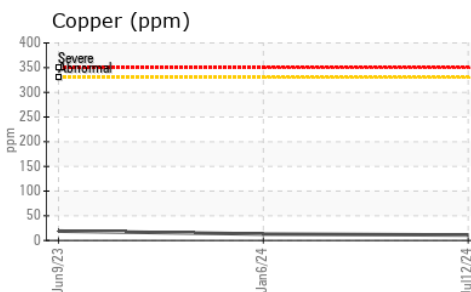
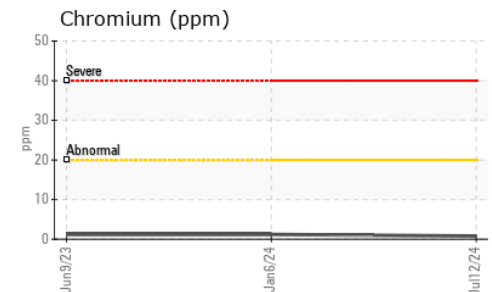
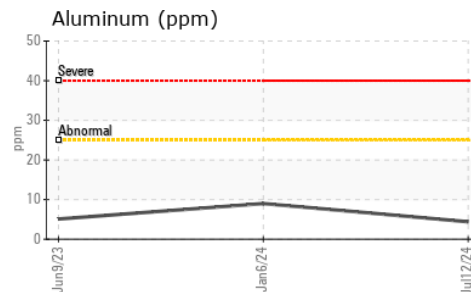
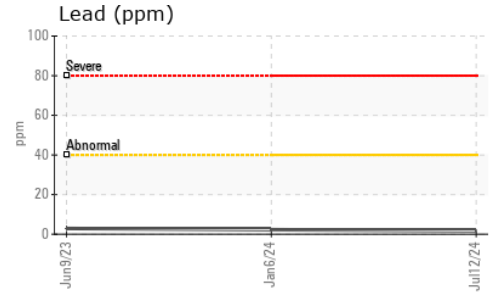
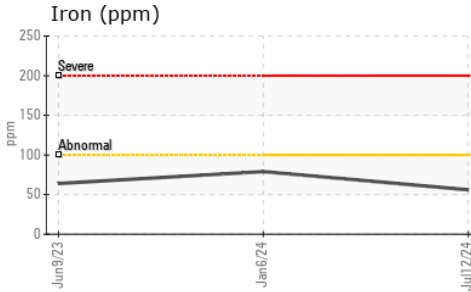
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG
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Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG
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FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 100°C	cSt	ASTM D7279(m)	11.4	<b>11.2</b>	11.3	11.3
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **PERFORMANCE EQUIPMENT - VISION TRUCK**  
**Sample No.** : WC0948205 **Received** : 16 Jul 2024 **415 EVANS AVENUE**  
**Lab Number** : **02648067** **Tested** : 16 Jul 2024 **ETOBICOKE, ON**  
**Unique Number** : 5813619 **Diagnosed** : 16 Jul 2024 - Wes Davis **CA M8W 0B3**  
**Test Package** : MOB 1 **Contact:** Service **etobservice@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.