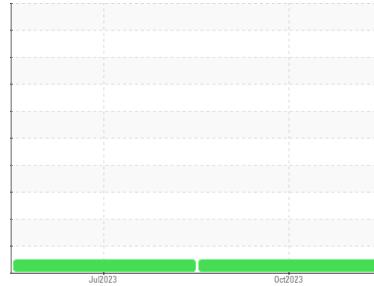




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[62849]**  
 Machine Id  
**VOLVO VNL 4629**

Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SAE 10W30 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

Metal levels are typical for a new component breaking in.

### Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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>WC0869694</b>	WC0831162	---
Sample Date	Client Info			<b>21 Oct 2023</b>	14 Jul 2023	---
Machine Age	kms	Client Info		<b>174</b>	229854	---
Oil Age	kms	Client Info		<b>3</b>	0	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>6.0		<b>&lt;1.0</b>	<1.0	---
Glycol	WC Method			<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	<b>25</b>	25	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>10</b>	10	---
Lead	ppm	ASTM D5185(m)	>40	<b>2</b>	2	---
Copper	ppm	ASTM D5185(m)	>330	<b>10</b>	18	---
Tin	ppm	ASTM D5185(m)	>15	<b>1</b>	2	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	1	---
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	1	<b>64</b>	63	---
Manganese	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	10	<b>1006</b>	977	---
Calcium	ppm	ASTM D5185(m)	2942	<b>1123</b>	1094	---
Phosphorus	ppm	ASTM D5185(m)	1102	<b>941</b>	953	---
Zinc	ppm	ASTM D5185(m)	1351	<b>1247</b>	1207	---
Sulfur	ppm	ASTM D5185(m)	3903	<b>2391</b>	2295	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

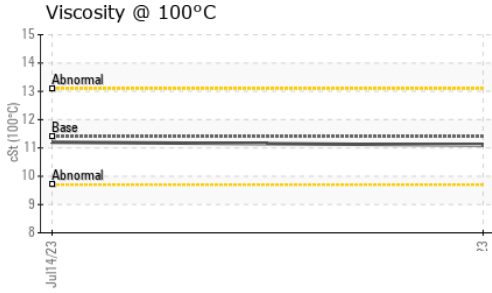
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>9</b>	9	---
Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	---
Potassium	ppm	ASTM D5185(m)	>20	<b>19</b>	23	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0.5</b>	0.5	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>10.0</b>	10.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>22.3</b>	22.6	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>17.9</b>	18.0	---



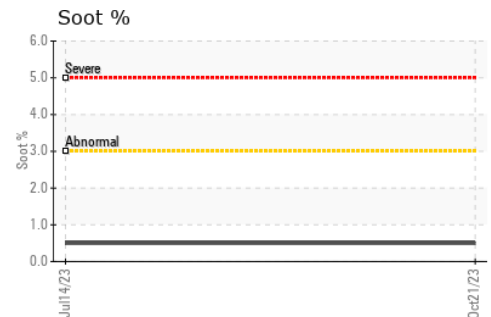
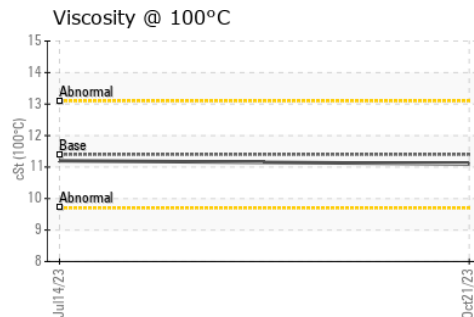
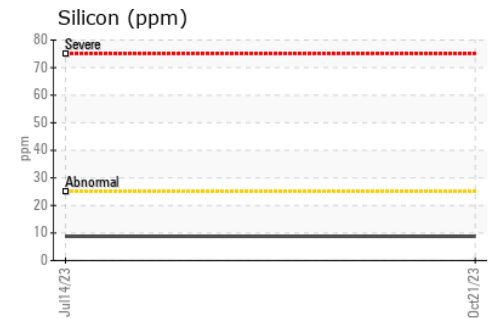
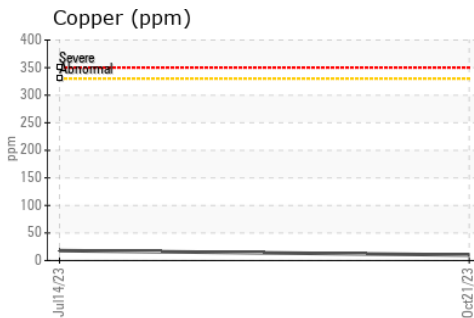
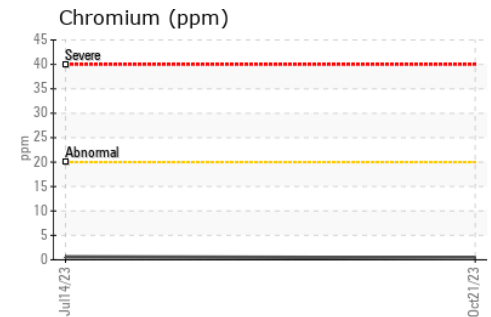
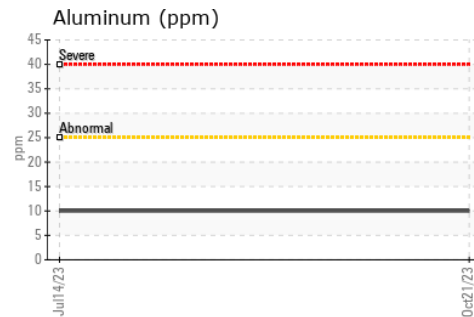
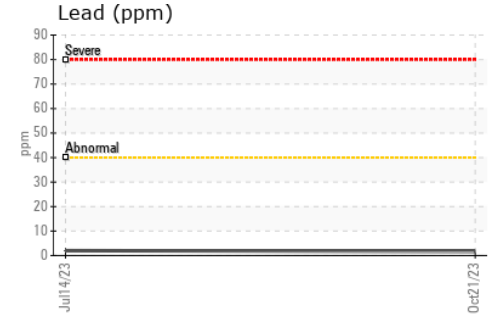
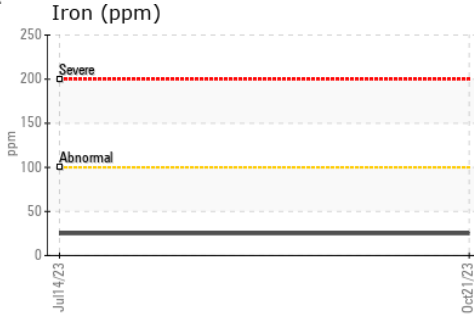
# OIL ANALYSIS REPORT



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)	11.4	11.1	11.2

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 PERFORMANCE EQUIPMENT - VISION TRUCK  
**Sample No.** : WC0869694 **Received** : 24 Oct 2023 415 EVANS AVENUE  
**Lab Number** : 02591313 **Diagnosed** : 24 Oct 2023 ETOBICOKE, ON  
**Unique Number** : 5668392 **Diagnostician** : Wes Davis CA M8W 0B3  
**Test Package** : MOB 1

To discuss this sample report, contact Customer Service at 1-800-268-2131. Contact: Service  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. etobservice@visiontruckgroup.com  
 Validity of results and interpretation are based on the sample and information as supplied. T:  
F: