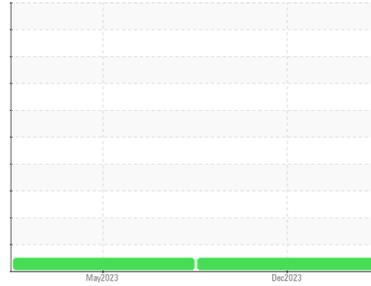




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[64214]**  
 Machine Id  
**VOLVO VNL740 4522**

Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 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>WC0869684</b>	WC0816596	---
Sample Date	Client Info			<b>05 Dec 2023</b>	26 May 2023	---
Machine Age	kms	Client Info		<b>665001</b>	39	---
Oil Age	kms	Client Info		<b>96578</b>	5	---
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	---
Water	WC Method	>0.2		<b>NEG</b>	NEG	---
Glycol	WC Method			<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	<b>83</b>	70	---
Chromium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>11</b>	6	---
Lead	ppm	ASTM D5185(m)	>40	<b>2</b>	2	---
Copper	ppm	ASTM D5185(m)	>330	<b>11</b>	15	---
Tin	ppm	ASTM D5185(m)	>15	<b>1</b>	1	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	<1	---
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	---

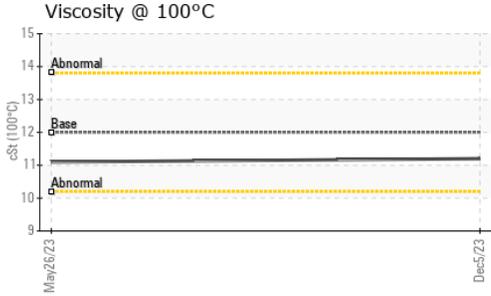
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	<b>2</b>	2	---
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	50	<b>62</b>	61	---
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	1	---
Magnesium	ppm	ASTM D5185(m)	950	<b>951</b>	941	---
Calcium	ppm	ASTM D5185(m)	1050	<b>1164</b>	1178	---
Phosphorus	ppm	ASTM D5185(m)	995	<b>953</b>	1010	---
Zinc	ppm	ASTM D5185(m)	1180	<b>1206</b>	1185	---
Sulfur	ppm	ASTM D5185(m)	2600	<b>2074</b>	2126	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>8</b>	7	---
Sodium	ppm	ASTM D5185(m)		<b>4</b>	3	---
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	3	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>1.1</b>	1	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.9</b>	11.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>25.9</b>	24.4	---

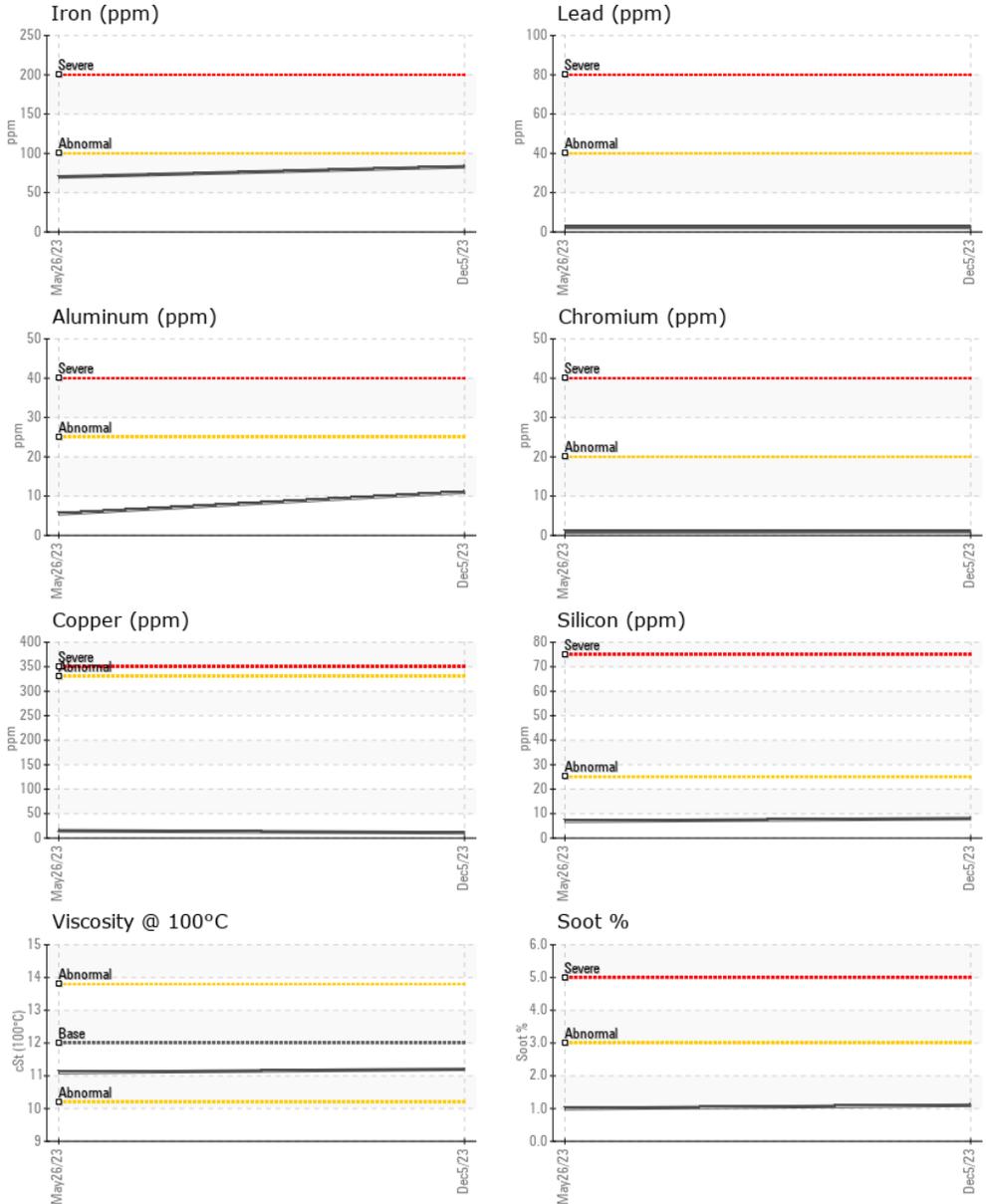


# OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>22.4</b>	20.7	---
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---
Free Water	scalar	Visual*		<b>NEG</b>	NEG	---
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>11.2</b>	11.1	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 PERFORMANCE EQUIPMENT - VISION TRUCK  
**Sample No.** : WC0869684 **Received** : 18 Dec 2023 415 EVANS AVENUE  
**Lab Number** : **02603724** **Diagnosed** : 18 Dec 2023 ETOBICOKE, ON  
**Unique Number** : 5696809 **Diagnostician** : Wes Davis CA M8W 0B3  
**Test Package** : MOB 1 **Contact:** Service

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