



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area

[62997]

Machine Id

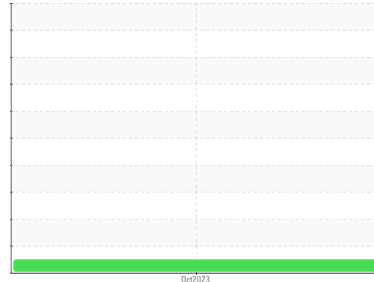
**VOLVO VNL740 4481**

Component

**Diesel Engine**

Fluid

**PETRO CANADA DURON SHP 10W30 (--- GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

Metal levels are typical for a new component breaking in.

### 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>WC0869667</b>	---	---
Sample Date	Client Info		<b>25 Oct 2023</b>	---	---
Machine Age	kms	Client Info	<b>55</b>	---	---
Oil Age	kms	Client Info	<b>10</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>100	<b>108</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>2</b>	---	---
Nickel	ppm	ASTM D5185(m)	>2	<b>1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>6</b>	---	---
Lead	ppm	ASTM D5185(m)	>40	<b>2</b>	---	---
Copper	ppm	ASTM D5185(m)	>330	<b>10</b>	---	---
Tin	ppm	ASTM D5185(m)	>15	<b>1</b>	---	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	2	<b>1</b>	---	---
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	50	<b>72</b>	---	---
Manganese	ppm	ASTM D5185(m)	0	<b>1</b>	---	---
Magnesium	ppm	ASTM D5185(m)	950	<b>991</b>	---	---
Calcium	ppm	ASTM D5185(m)	1050	<b>1124</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	995	<b>1023</b>	---	---
Zinc	ppm	ASTM D5185(m)	1180	<b>1267</b>	---	---
Sulfur	ppm	ASTM D5185(m)	2600	<b>2119</b>	---	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	<b>11</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>209</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>58</b>	---	---
Glycol	%	ASTM D7922*		<b>0.0</b>	---	---

## INFRA-RED

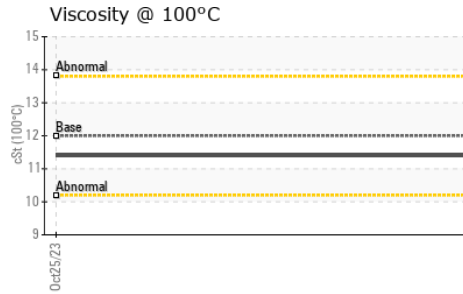
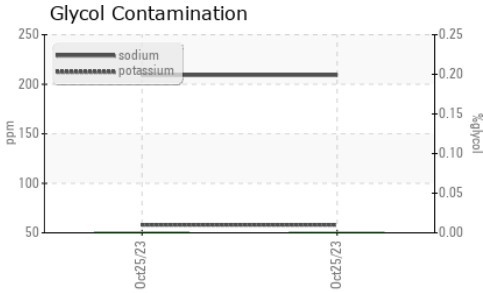
	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	<b>1.2</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>14.7</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>29.9</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>28.0</b>	---	---



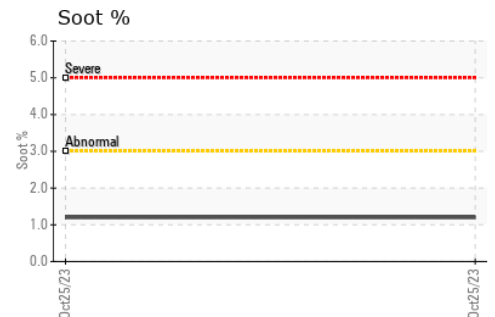
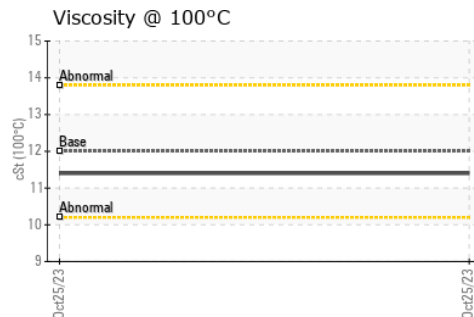
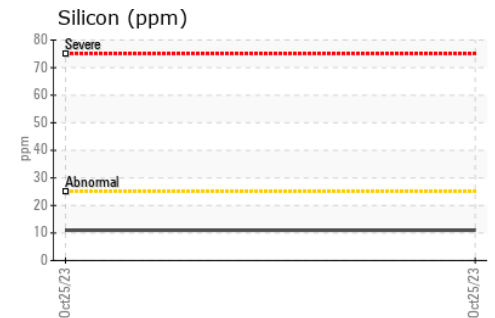
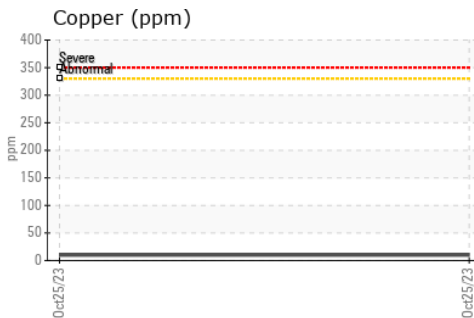
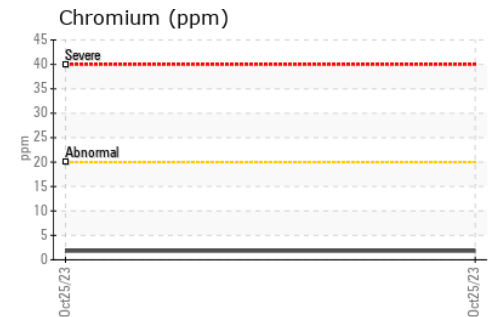
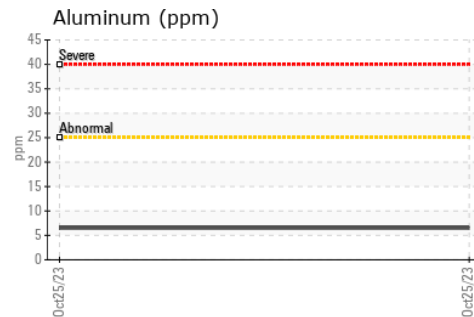
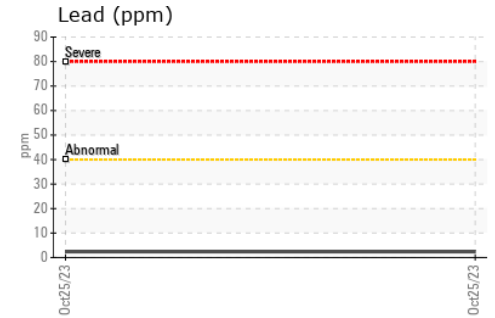
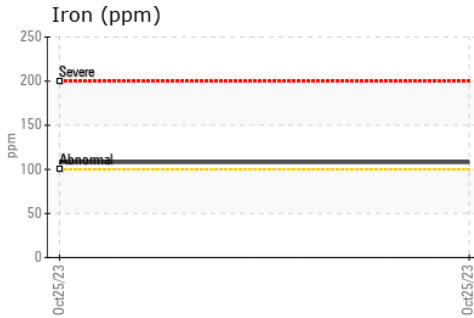
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.4	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 PERFORMANCE EQUIPMENT - VISION TRUCK  
**Sample No.** : WC0869667 **Received** : 30 Oct 2023 **415 EVANS AVENUE**  
**Lab Number** : 02592540 **Diagnosed** : 30 Oct 2023 **ETOBICOKE, ON**  
**Unique Number** : 5669619 **Diagnostician** : Kevin Marson **CA M8W 0B3**  
**Test Package** : MOB 1 ( Additional Tests: Glycol ) **Contact: Service**

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