



OIL ANALYSIS REPORT

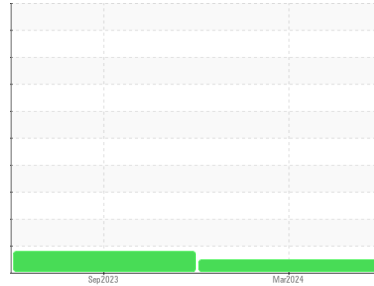
Sample Rating Trend

NORMAL



Area
[66968]
Machine Id
VOLVO VNR860 4634

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			WC0909049	WC0853677	---
Sample Date	Client Info			22 Mar 2024	15 Sep 2023	---
Machine Age	kms	Client Info		328139	242022	---
Oil Age	kms	Client Info		0	0	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				NORMAL	ATTENTION	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method		>6.0	<1.0	<1.0	---
Water	WC Method		>0.2	NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	56	102	---
Chromium	ppm	ASTM D5185(m)	>20	1	2	---
Nickel	ppm	ASTM D5185(m)	>2	3	6	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>2	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	11	17	---
Lead	ppm	ASTM D5185(m)	>40	2	7	---
Copper	ppm	ASTM D5185(m)	>330	39	112	---
Tin	ppm	ASTM D5185(m)	>15	2	4	---
Antimony	ppm	ASTM D5185(m)		0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

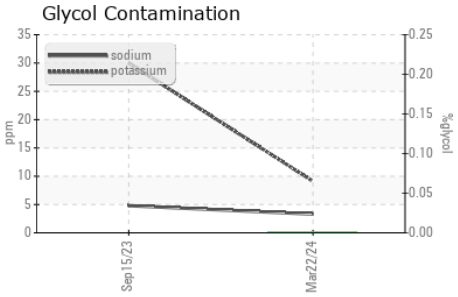
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	1	1	1	---
Barium	ppm	ASTM D5185(m)	1	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	1	63	70	---
Manganese	ppm	ASTM D5185(m)	1	0	3	---
Magnesium	ppm	ASTM D5185(m)	10	973	974	---
Calcium	ppm	ASTM D5185(m)	2942	1090	1134	---
Phosphorus	ppm	ASTM D5185(m)	1102	881	1001	---
Zinc	ppm	ASTM D5185(m)	1351	1173	1160	---
Sulfur	ppm	ASTM D5185(m)	3903	2043	1935	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	6	14	---
Sodium	ppm	ASTM D5185(m)		3	5	---
Potassium	ppm	ASTM D5185(m)	>20	9	30	---
Glycol	%	ASTM D7922*		0.0	NEG	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	1.3	1.7	---
Nitration	Abs/cm	ASTM D7624*	>20	12.4	15.4	---
Sulfation	Abs./1mm	ASTM D7415*	>30	25.4	30.1	---



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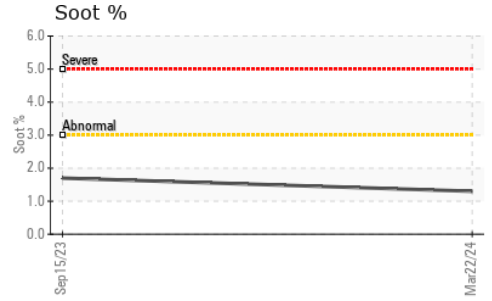
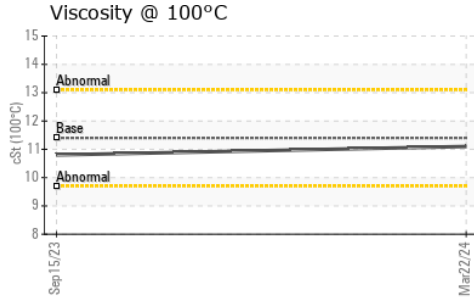
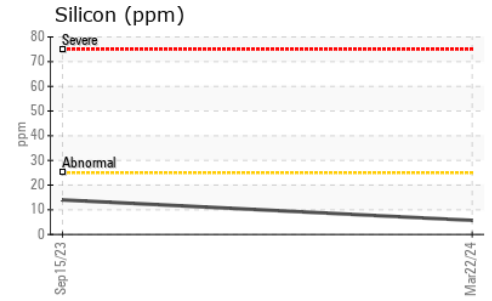
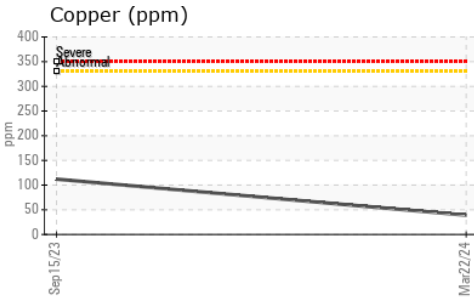
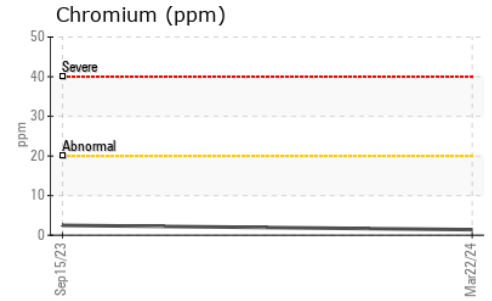
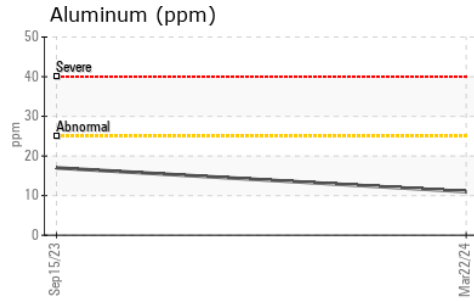
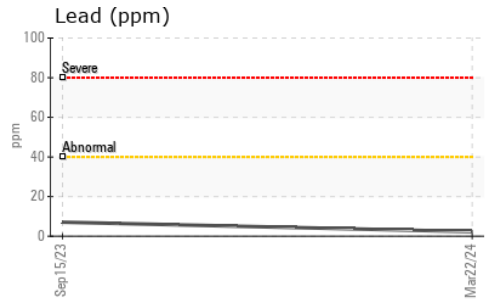
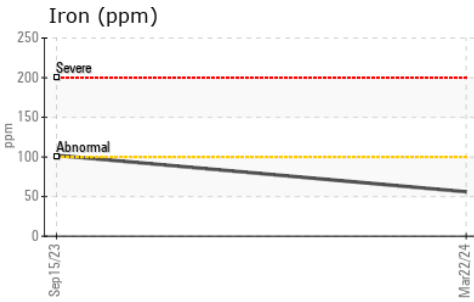
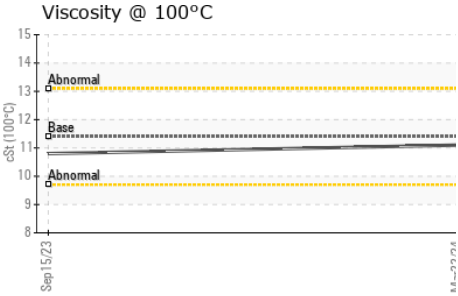


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	20.8	27.4	---

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	10.8	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **PERFORMANCE EQUIPMENT - VISION TRUCK**
Sample No. : WC0909049 **Received** : 01 Apr 2024 **415 EVANS AVENUE**
Lab Number : **02625521** **Tested** : 01 Apr 2024 **ETOBICOKE, ON**
Unique Number : 5750640 **Diagnosed** : 01 Apr 2024 - Wes Davis **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:**