

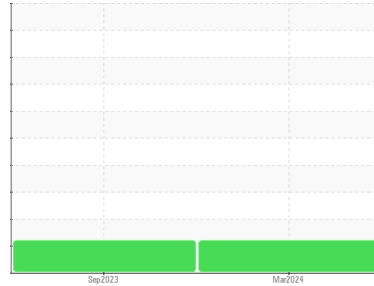


OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION

Area
[66967]
 Machine Id
VOLVO VNL760 4661
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SAE 10W30 (--- GAL)



DIAGNOSIS

Recommendation

We advise that you check for faulty combustion and a possible overheat condition. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

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

A small degree of oil oxidation was indicated. The oil is no longer serviceable.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0909056	WC0853698	---
Sample Date	Client Info		22 Mar 2024	13 Sep 2023	---
Machine Age	kms	Client Info	211258	108376	---
Oil Age	kms	Client Info	0	108376	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			ABNORMAL	ABNORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>6.0	<1.0	0.6	---
Water	WC Method	>0.2	NEG	NEG	---
Glycol	WC Method		NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>100	73	119	---
Chromium	ppm	ASTM D5185(m)	>20	2	2	---
Nickel	ppm	ASTM D5185(m)	>2	7	5	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>2	1	2	---
Aluminum	ppm	ASTM D5185(m)	>25	10	24	---
Lead	ppm	ASTM D5185(m)	>40	<1	10	---
Copper	ppm	ASTM D5185(m)	>330	70	404	---
Tin	ppm	ASTM D5185(m)	>15	2	6	---
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	5	13	---
Barium	ppm	ASTM D5185(m)	1	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	1	67	113	---
Manganese	ppm	ASTM D5185(m)	1	<1	5	---
Magnesium	ppm	ASTM D5185(m)	10	906	658	---
Calcium	ppm	ASTM D5185(m)	2942	1396	1732	---
Phosphorus	ppm	ASTM D5185(m)	1102	935	768	---
Zinc	ppm	ASTM D5185(m)	1351	1152	856	---
Sulfur	ppm	ASTM D5185(m)	3903	1812	1719	---
Lithium	ppm	ASTM D5185(m)		<1	1	---

CONTAMINANTS

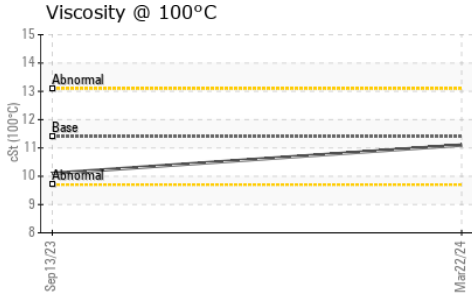
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	12	43	---
Sodium	ppm	ASTM D5185(m)		3	5	---
Potassium	ppm	ASTM D5185(m)	>20	20	59	---

INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	0.7	0.8	---
Nitration	Abs/cm	ASTM D7624*	>20	14.8	16.5	---
Sulfation	Abs./1mm	ASTM D7415*	>30	26.7	28.6	---



OIL ANALYSIS REPORT



FLUID DEGRADATION

method	limit/base	current	history1	history2
Abs./1mm	ASTM D7414*	>25	▲ 27.6	▲ 33.8

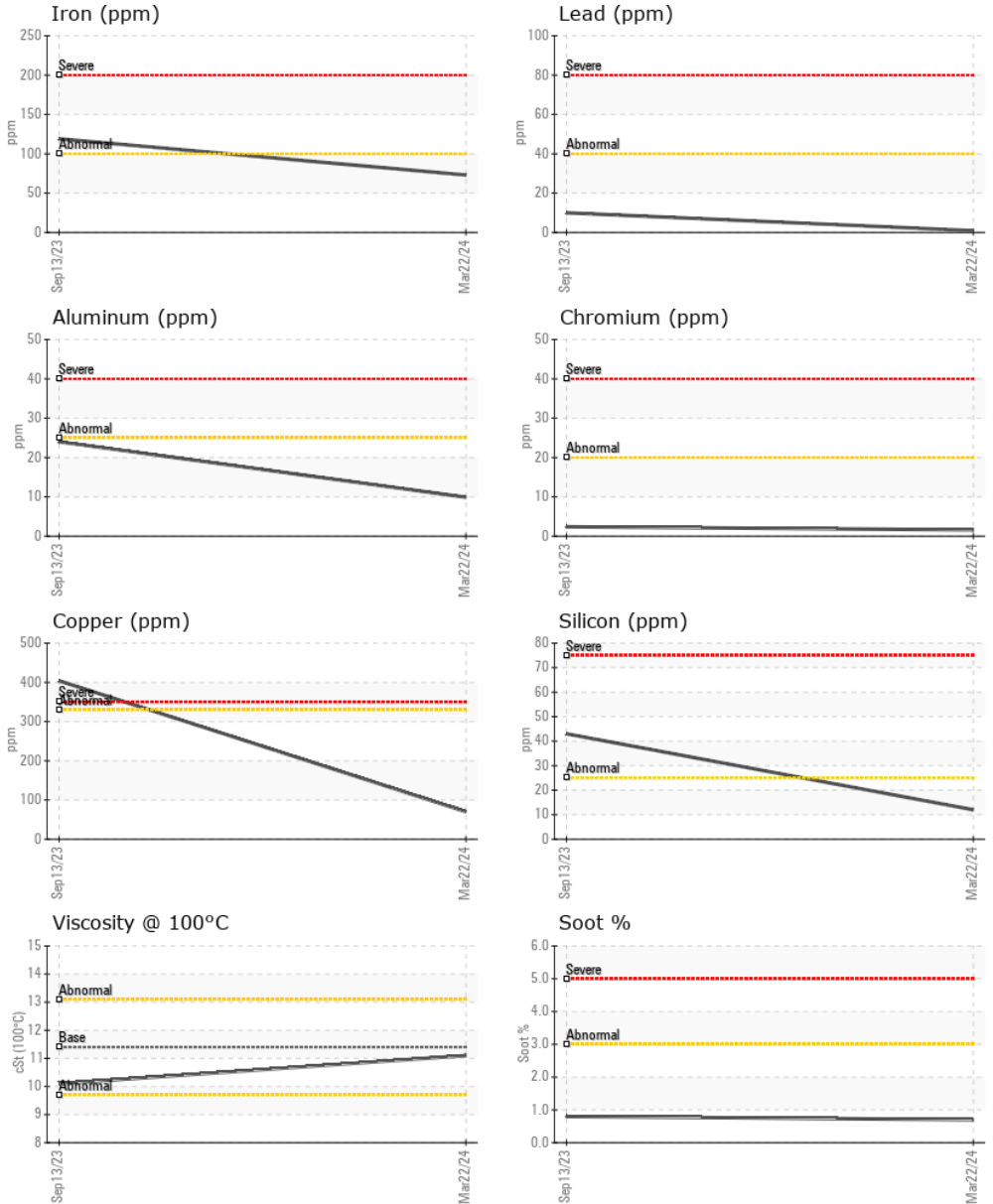
VISUAL

method	limit/base	current	history1	history2
scalar	Visual*	>0.2	NEG	NEG
scalar	Visual*		NEG	NEG

FLUID PROPERTIES

method	limit/base	current	history1	history2
cSt	ASTM D7279(m)	11.4	11.1	10.1

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **PERFORMANCE EQUIPMENT - VISION TRUCK**
Sample No. : WC0909056 **Received** : 25 Mar 2024 **415 EVANS AVENUE**
Lab Number : 02624123 **Tested** : 25 Mar 2024 **ETOBICOKE, ON**
Unique Number : 5749242 **Diagnosed** : 25 Mar 2024 - Kevin Marson **CA M8W 0B3**
Test Package : MOB 1 **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:**