



# VOLVO

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**CITY OF MIRAMICHI [8000388594]**  
Machine Id  
**VOLVO G960B 579010**  
Component  
**Diesel Engine**  
Fluid  
**APRIL SUPERFLO GOLD K 15W40 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCE07565</b>	---	---
Sample Date		Client Info		<b>15 Dec 2023</b>	---	---
Machine Age	hrs	Client Info		<b>3718</b>	---	---
Oil Age	hrs	Client Info		<b>100</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Not Chngd</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>30</b>	---	---
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>13</b>	---	---
Lead	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	>15	<b>1</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

### CONTAMINATION

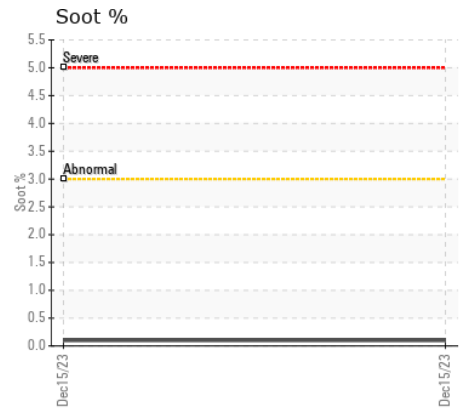
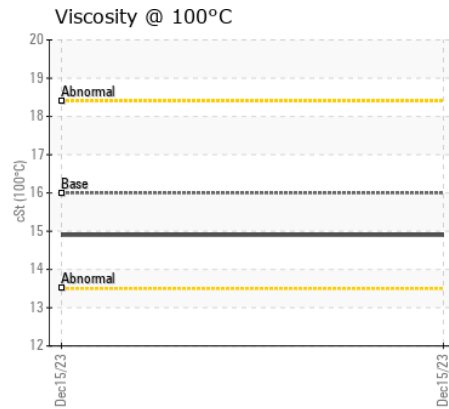
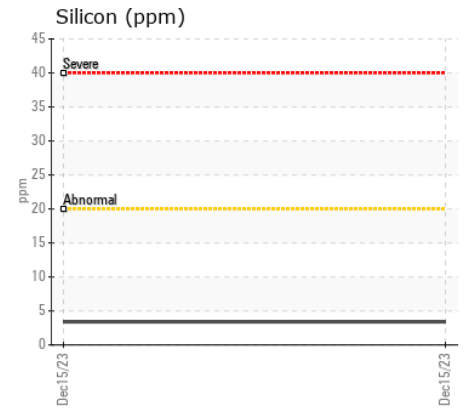
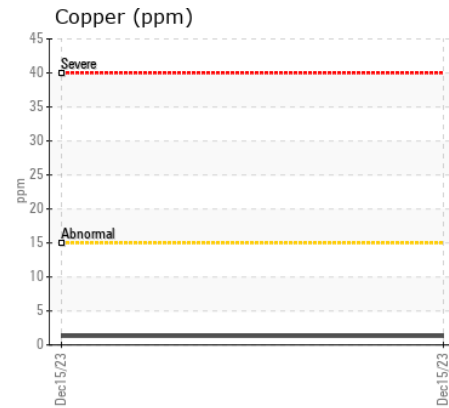
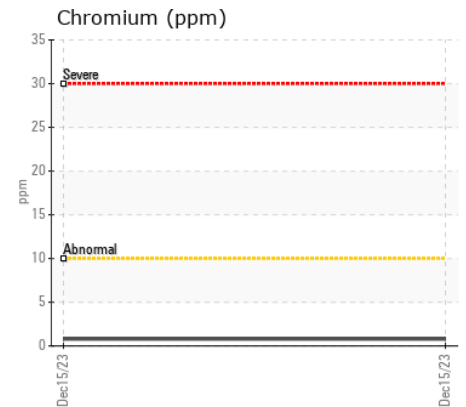
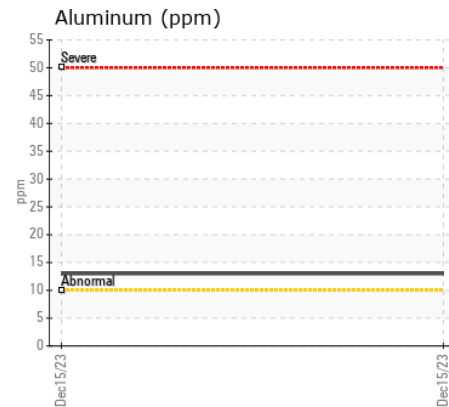
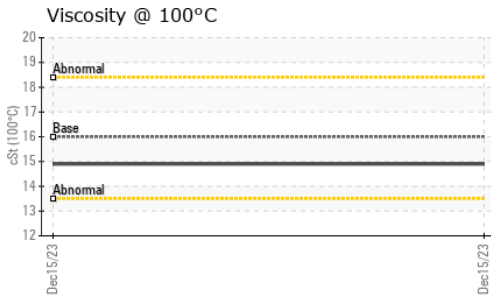
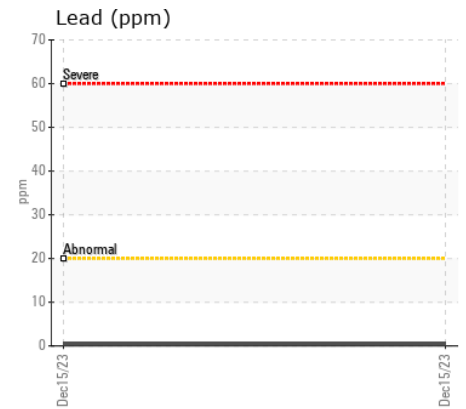
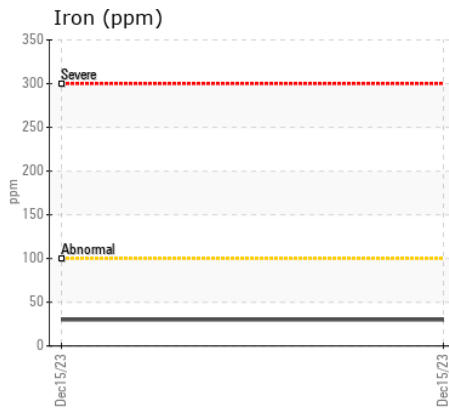
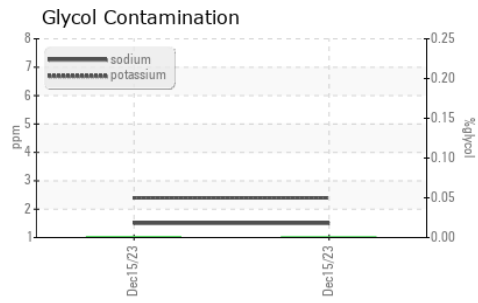
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	<b>3</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	---	---
Fuel		WC Method	>4.0	<b>&lt;1.0</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Glycol	%	ASTM D7922*		<b>0.0</b>	---	---
Soot %	%	ASTM D7844*	>3	<b>0.1</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.7</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>17.0</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	---	---

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	---	---
Boron	ppm	ASTM D5185(m)	34	<b>23</b>	---	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	70	<b>55</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	640	<b>715</b>	---	---
Calcium	ppm	ASTM D5185(m)	1410	<b>961</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	1020	<b>839</b>	---	---
Zinc	ppm	ASTM D5185(m)	1170	<b>964</b>	---	---
Sulfur	ppm	ASTM D5185(m)	2930	<b>2684</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>11.3</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	16.0	<b>14.9</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCE07565 **Received** : 03 Jan 2024  
**Lab Number** : 02606226 **Diagnosed** : 05 Jan 2024  
**Unique Number** : 5707312 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: BottomAnalysis, FILTERPATCH, GLYCOL, Visual )

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