



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[47235]**  
 Machine Id  
**VOLVO A40G 353015**  
 Component  
**Bogie/Center Axle**  
 Fluid  
**VOLVO API GL-5 SAE 75W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP417902</b>	VCP379618	---
Sample Date		Client Info		<b>22 Feb 2024</b>	30 Nov 2022	---
Machine Age	hrs	Client Info		<b>2828</b>	1091	---
Oil Age	hrs	Client Info		<b>1000</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	<b>92</b>	126	---
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	2	---
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>2</b>	1	---
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>150	<b>2</b>	<1	---
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

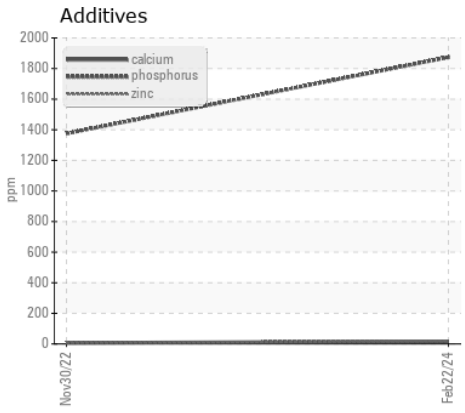
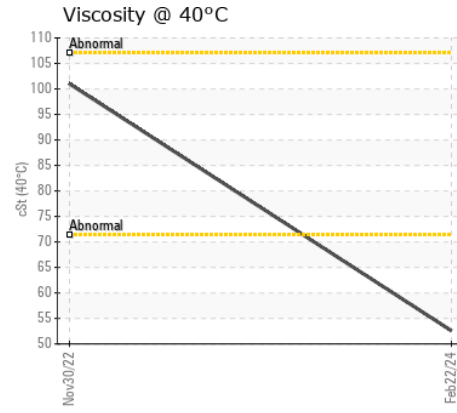
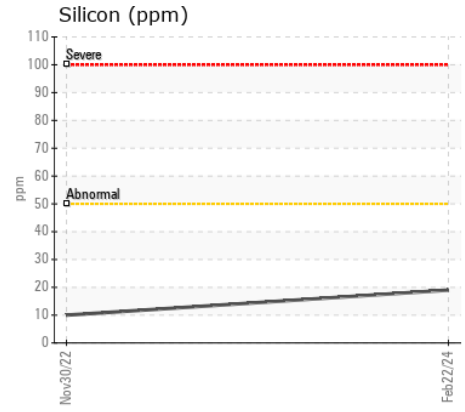
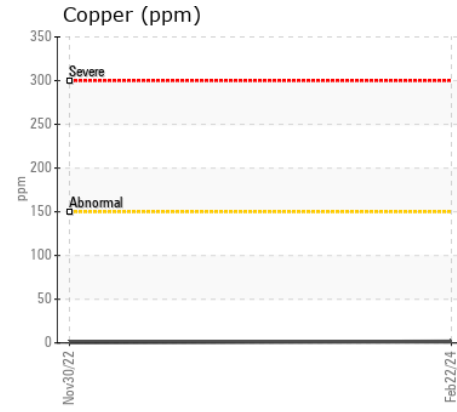
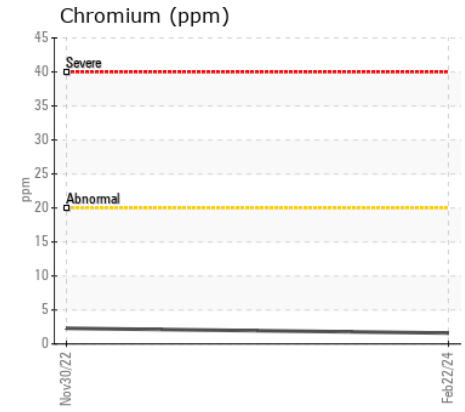
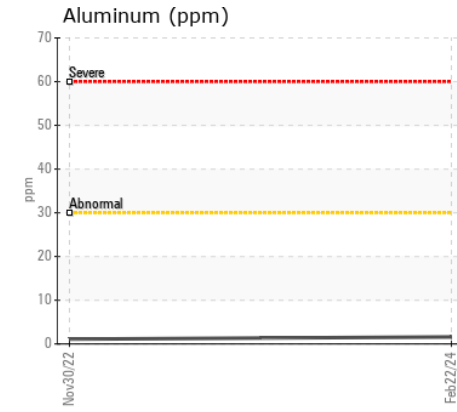
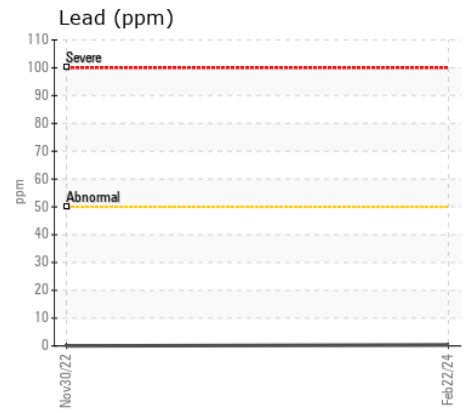
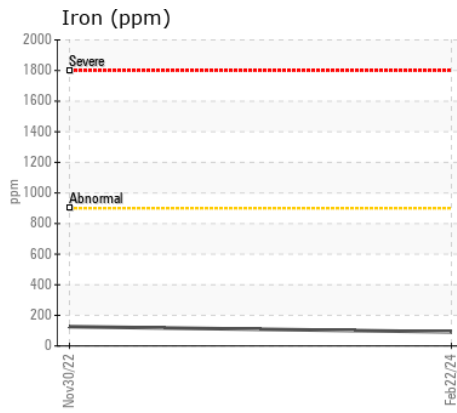
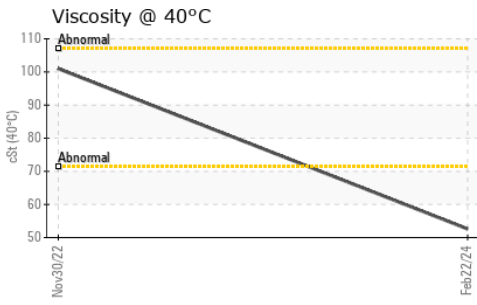
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>19</b>	10	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>MODER</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>0</b>	<1	---
Boron	ppm	ASTM D5185m		<b>273</b>	321	---
Barium	ppm	ASTM D5185m		<b>5</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>1</b>	4	---
Manganese	ppm	ASTM D5185m		<b>3</b>	5	---
Magnesium	ppm	ASTM D5185m		<b>1</b>	2	---
Calcium	ppm	ASTM D5185m		<b>17</b>	7	---
Phosphorus	ppm	ASTM D5185m		<b>1874</b>	1375	---
Zinc	ppm	ASTM D5185m		<b>19</b>	8	---
Sulfur	ppm	ASTM D5185m		<b>27003</b>	25056	---
Visc @ 40°C	cSt	ASTM D445		<b>52.6</b>	101	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP417902  
**Lab Number** : 06099454  
**Unique Number** : 10897684  
**Test Package** : MOBCE

**Received** : 23 Feb 2024  
**Tested** : 27 Feb 2024  
**Diagnosed** : 27 Feb 2024 - Don Baldrige

**365 - ASCENDUM MACHINERY INC - SAVANNAH**  
 54 MEDLINE DR  
 RICHMOND HILL, GA  
 US 31324  
 Contact: JESSE WILSON  
 jesse.wilson@ascendummachinery.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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