



# CONSTRUCTION EQUIPMENT

W07012289-1 VOLVO A40G 341458 - REAR AXLE



**Sample No:** VCP399866  
**Oil Type:** GEAR OIL SAE 85W90  
**Job No:** W07012289-1



## SAMPLE INFORMATION

Sample Number	<b>VCP399866</b>	VCP239625	VCP194010	---
Sample Date	<b>23 Feb 2023</b>	26 Jun 2019	12 Jul 2017	---
Machine Hours	<b>6947</b>	3981	1042	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>N/A</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	---

**McClung-Logan Virginia LLC- RICHMOND**  
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US 23060  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>53.4</b>	52.39	51.99	---
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## CONTAMINATION

Silicon	ppm	<b>2</b>	1	1	---
Sodium	ppm	<b>3</b>	1	3	---
Potassium	ppm	<b>&lt;1</b>	0	1	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>25</b>	77	214	---
Copper	ppm	<b>&lt;1</b>	2	4	---
Lead	ppm	<b>0</b>	<1	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>&lt;1</b>	<1	<1	---
Chromium	ppm	<b>&lt;1</b>	1	4	---
Molybdenum	ppm	<b>&lt;1</b>	<1	3	---
Nickel	ppm	<b>&lt;1</b>	<1	1	---
Titanium	ppm	<b>0</b>	0	<1	---
Silver	ppm	<b>&lt;1</b>	0	0	---
Manganese	ppm	<b>1</b>	3	11	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>16</b>	11	11	---
Magnesium	ppm	<b>1</b>	1	0	---
Zinc	ppm	<b>10</b>	12	8	---
Phosphorus	ppm	<b>2225</b>	2284	2353	---
Barium	ppm	<b>&lt;1</b>	0	0	---
Boron	ppm	<b>311</b>	228	265	---

**Depot:** VOLVO8882  
**Unique No:** 10351068  
**Signed:** Angela Borella  
**Report Date:** 27 Feb 2023



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## GRAPHS

