



# CONSTRUCTION EQUIPMENT

SPM568105 VOLVO A40G 352677 - REAR AXLE



**Sample No:** VCP409357  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM568105



## SAMPLE INFORMATION

Sample Number	<b>VCP409357</b>	VCP356587	VCP356721	---
Sample Date	<b>03 Jul 2023</b>	04 Feb 2022	03 Feb 2022	---
Machine Hours	<b>2820</b>	1011	1011	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	N/A	N/A	---
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	---

**ALTA EQUIPMENT CO - ORLAND PARK**  
 5000 INDUSTRIAL HWY  
 GARY, IN  
 US 46406  
 Contact: DAVE ENG  
 DAVE.ENG@ALTG.COM  
 T: (312)350-2560  
 F:



## OIL CONDITION

Visc @ 40°C	cSt	<b>95.2</b>	50.6	49.9	---
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## CONTAMINATION

Water	%	---	---	▲ 0.214	---
Silicon	ppm	<b>3</b>	4	5	---
Sodium	ppm	<b>&lt;1</b>	<1	1	---
Potassium	ppm	<b>&lt;1</b>	3	4	---

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



## WEAR METALS

Iron	ppm	<b>155</b>	229	502	---
Copper	ppm	<b>&lt;1</b>	2	3	---
Lead	ppm	<b>0</b>	<1	<1	---
Tin	ppm	<b>0</b>	<1	<1	---
Aluminum	ppm	<b>&lt;1</b>	<1	<1	---
Chromium	ppm	<b>2</b>	3	6	---
Molybdenum	ppm	<b>1</b>	3	6	---
Nickel	ppm	<b>0</b>	1	2	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>4</b>	8	18	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>41</b>	26	19	---
Magnesium	ppm	<b>3</b>	<1	<1	---
Zinc	ppm	<b>21</b>	12	9	---
Phosphorus	ppm	<b>536</b>	2545	2681	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>19</b>	261	259	---

**Depot:** VOLVO8885  
**Unique No:** 10560805  
**Signed:** Don Baldrige  
**Report Date:** 18 Jul 2023



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## GRAPHS

