



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352909 - FRONT AXLE



**Sample No:** VCP454376  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP454376</b>	VCP437888	---	---
Sample Date	<b>02 Jul 2024</b>	01 Mar 2024	---	---
Machine Hours	<b>1326</b>	4219	---	---
Oil Hours	<b>0</b>	4219	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	ATTENTION	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>103</b>	40.5	---	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>3</b>	17	---	---
Sodium	ppm	<b>3</b>	18	---	---
Potassium	ppm	<b>5</b>	3	---	---



### WEAR METALS

Iron	ppm	<b>147</b>	51	---	---
Copper	ppm	<b>3</b>	126	---	---
Lead	ppm	<b>&lt;1</b>	<1	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>&lt;1</b>	4	---	---
Chromium	ppm	<b>2</b>	2	---	---
Molybdenum	ppm	<b>6</b>	<1	---	---
Nickel	ppm	<b>&lt;1</b>	5	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	<1	---	---
Manganese	ppm	<b>10</b>	1	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



### ADDITIVES

Calcium	ppm	<b>137</b>	3614	---	---
Magnesium	ppm	<b>5</b>	6	---	---
Zinc	ppm	<b>59</b>	1490	---	---
Phosphorus	ppm	<b>1558</b>	803	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>296</b>	77	---	---

### 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.

**Depot:** VOLVO0090  
**Unique No:** 11114027  
**Signed:** Don Baldrige  
**Report Date:** 10 Jul 2024



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## GRAPHS

