



# CONSTRUCTION EQUIPMENT

## 10732 VOLVO A40G 341662 - REAR AXLE



**Sample No:** VCP416461  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 10732



### SAMPLE INFORMATION

Sample Number	<b>VCP416461</b>	VCP384284	VCP295760	---
Sample Date	<b>18 Jul 2023</b>	09 Nov 2022	09 Aug 2021	---
Machine Hours	<b>7013</b>	6440	5380	---
Oil Hours	<b>0</b>	2000	1000	---
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	---
Sample Status	<b>NORMAL</b>	ATTENTION	ATTENTION	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>53.0</b>	53.1	53.5	---
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### CONTAMINATION

Silicon	ppm	<b>11</b>	5	2	---
Sodium	ppm	<b>5</b>	4	3	---
Potassium	ppm	<b>0</b>	0	<1	---



### WEAR METALS

Iron	ppm	<b>820</b>	595	269	---
Copper	ppm	<b>7</b>	5	5	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>1</b>	1	0	---
Chromium	ppm	<b>14</b>	9	3	---
Molybdenum	ppm	<b>17</b>	10	3	---
Nickel	ppm	<b>2</b>	2	1	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>37</b>	20	9	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>60</b>	51	52	---
Magnesium	ppm	<b>1</b>	2	2	---
Zinc	ppm	<b>49</b>	37	44	---
Phosphorus	ppm	<b>2297</b>	2148	2244	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>151</b>	172	196	---

### 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:** KCCIVY  
**Unique No:** 10564884  
**Signed:** Don Baldrige  
**Report Date:** 24 Jul 2023



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## GRAPHS

