



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352344 - REAR AXLE



**Sample No:** VCP0008178  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0008178</b>	VCP402824	VCP350603	---
Sample Date	<b>19 Jun 2024</b>	23 Jun 2023	04 Jan 2022	---
Machine Hours	<b>0</b>	4120	2007	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>N/A</b>	Changed	Not Changd	---
Sample Status	<b>ATTENTION</b>	NORMAL	NORMAL	---

**ALTA EQUIPMENT COMPANY**  
 8750 PHILIPS HWY  
 JACKSONVILLE, FL  
 US 32256  
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 T: (904)737-6000  
 F: (904)737-1260



### OIL CONDITION

Visc @ 40°C	cSt	<b>363.5</b>	195	195	---
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### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<b>4</b>	4	4	---
Sodium	ppm	<b>&lt;1</b>	1	0	---
Potassium	ppm	<b>&lt;1</b>	2	0	---

### Diagnosis

No corrective action is recommended at this time. 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 oil viscosity is higher than normal. Confirm oil type.



### WEAR METALS

Iron	ppm	<b>11</b>	190	187	---
Copper	ppm	<b>&lt;1</b>	3	2	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>3</b>	1	<1	---
Chromium	ppm	<b>&lt;1</b>	3	3	---
Molybdenum	ppm	<b>&lt;1</b>	7	6	---
Nickel	ppm	<b>0</b>	<1	0	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	9	7	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>4</b>	215	200	---
Magnesium	ppm	<b>&lt;1</b>	51	49	---
Zinc	ppm	<b>5</b>	139	127	---
Phosphorus	ppm	<b>1016</b>	1037	977	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>182</b>	174	188	---

**Depot:** VOLVO0092  
**Unique No:** 11100862  
**Signed:** Jonathan Hester  
**Report Date:** 02 Jul 2024

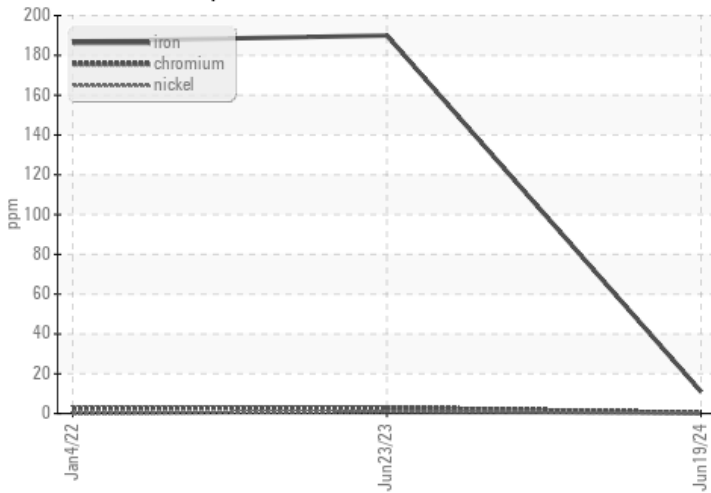


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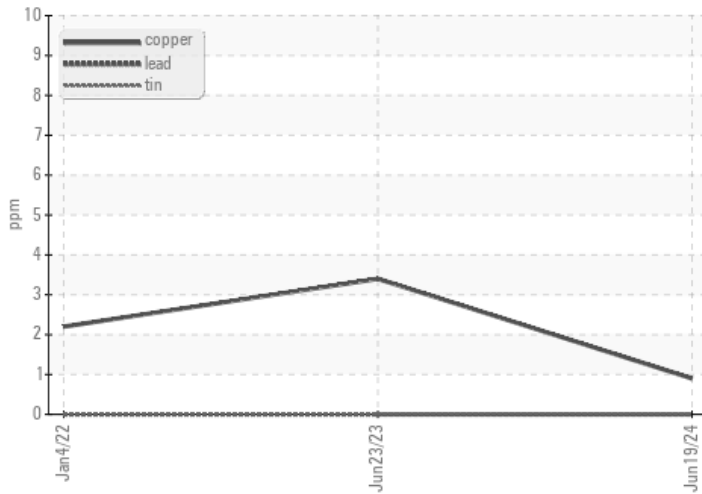


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### ● Viscosity @ 40°C

