



# CONSTRUCTION EQUIPMENT

SPM647543-10 VOLVO A45G 352374 - REAR AXLE



**Sample No:** VCP436133  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM647543-10



**ALTA EQUIPMENT COMPANY**  
8750 PHILIPS HWY  
JACKSONVILLE, FL  
US 32256  
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## SAMPLE INFORMATION

Sample Number	VCP436133	---	---	---
Sample Date	06 Jan 2024	---	---	---
Machine Hours	4085	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 157	---	---	---
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## CONTAMINATION

Water	%	▲ 0.290	---	---	---
Silicon	ppm	█ 26	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 6	---	---	---



## WEAR METALS

Iron	ppm	█ 201	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 12	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 146	---	---	---
Magnesium	ppm	█ 30	---	---	---
Zinc	ppm	█ 19	---	---	---
Phosphorus	ppm	█ 1080	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 160	---	---	---

## 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 a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0092  
**Unique No:** 10822941  
**Signed:** Sean Felton  
**Report Date:** 11 Jan 2024



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## GRAPHS

