



# CONSTRUCTION EQUIPMENT

19241 VOLVO A45G 342614 - REAR AXLE



**Sample No:** VCP407571  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** 19241



## SAMPLE INFORMATION

Sample Number	VCP407571	---	---	---
Sample Date	14 Jul 2023	---	---	---
Machine Hours	3572	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 224	---	---	---
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## CONTAMINATION

Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

Iron	ppm	█ 109	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 198	---	---	---
Magnesium	ppm	█ 28	---	---	---
Zinc	ppm	█ 157	---	---	---
Phosphorus	ppm	█ 411	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 14	---	---	---

## Diagnosis

We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. 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:** GLOPLE  
**Unique No:** 10644273  
**Signed:** Don Baldrige  
**Report Date:** 14 Sep 2023



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## GRAPHS

