



# CONSTRUCTION EQUIPMENT

646452 MOSIAC CO VOLVO A45G 352974 - BOGIE/CENTER AXLE



**Sample No:** VCP440804  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 646452 MOSIAC CO



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## SAMPLE INFORMATION

Sample Number	VCP440804	---	---	---
Sample Date	14 Dec 2023	---	---	---
Machine Hours	3408	---	---	---
Oil Hours	2408	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	▲ 50.7	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 2	---	---	---



## WEAR METALS

Iron	ppm	■ 291	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 5	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 9	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 109	---	---	---
Magnesium	ppm	■ <1	---	---	---
Zinc	ppm	■ 21	---	---	---
Phosphorus	ppm	■ 2520	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 190	---	---	---

## 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 oil viscosity is lower than normal. Confirm oil type.

**Depot:** VOLVO0093  
**Unique No:** 10862340  
**Signed:** Don Baldrige  
**Report Date:** 07 Feb 2024



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## GRAPHS

