



# CONSTRUCTION EQUIPMENT

607997 MOSAIC VOLVO A45G 342286 - DROP BOX



**Sample No:** VCP425069  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 607997 MOSAIC



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## SAMPLE INFORMATION

Sample Number	<b>VCP425069</b>	VCP409337	VCP372476	---
Sample Date	<b>29 Sep 2023</b>	15 Feb 2023	10 Jun 2022	---
Machine Hours	<b>7665</b>	6453	5089	---
Oil Hours	<b>3665</b>	2000	1000	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>ATTENTION</b>	NORMAL	ATTENTION	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 50.6</b>	■ 283	<b>▲ 45.8</b>	---
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## CONTAMINATION

Silicon	ppm	<b>■ 35</b>	■ 4	■ 33	---
Sodium	ppm	<b>■ 5</b>	■ <1	■ 8	---
Potassium	ppm	<b>■ 4</b>	■ 0	■ 0	---



## WEAR METALS

Iron	ppm	<b>■ 61</b>	■ 168	■ 114	---
Copper	ppm	<b>■ 11</b>	■ 2	■ 7	---
Lead	ppm	<b>■ &lt;1</b>	■ 0	■ 0	---
Tin	ppm	<b>■ &lt;1</b>	■ 0	■ <1	---
Aluminum	ppm	<b>■ 2</b>	■ <1	■ 10	---
Chromium	ppm	<b>■ &lt;1</b>	■ 3	■ 1	---
Molybdenum	ppm	<b>■ 3</b>	■ 2	■ 5	---
Nickel	ppm	<b>■ &lt;1</b>	■ <1	■ 0	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>■ 2</b>	■ 6	■ 4	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>■ 70</b>	■ 51	■ 510	---
Magnesium	ppm	<b>■ 3</b>	■ 5	■ 4	---
Zinc	ppm	<b>■ 88</b>	■ 55	■ 338	---
Phosphorus	ppm	<b>2341</b>	■ 964	■ 1803	---
Barium	ppm	<b>■ 10</b>	■ 0	■ 0	---
Boron	ppm	<b>■ 82</b>	■ 150	■ 63	---

## 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 lower than normal. Confirm oil type.

**Depot:** VOLVO0093  
**Unique No:** 10709590  
**Signed:** Sean Felton  
**Report Date:** 25 Oct 2023



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## GRAPHS

