



# CONSTRUCTION EQUIPMENT

## 565152 MOSAIC VOLVO A40G 342363 - REAR AXLE



**Sample No:** VCP407838  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 565152 MOSAIC



### SAMPLE INFORMATION

Sample Number	<b>VCP407838</b>	VCP353936	VCP319684	VCP269714
Sample Date	<b>05 Jun 2023</b>	22 Jun 2022	26 Oct 2021	27 Feb 2020
Machine Hours	<b>7605</b>	5980	4925	1996
Oil Hours	<b>3000</b>	2000	1500	0
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>295</b>	296	244	274
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### CONTAMINATION

Silicon	ppm	<b>5</b>	2	4	1
Sodium	ppm	<b>&lt;1</b>	0	2	1
Potassium	ppm	<b>0</b>	<1	3	<1

### 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 condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>76</b>	31	114	34
Copper	ppm	<b>3</b>	<1	11	<1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	1
Aluminum	ppm	<b>2</b>	<1	<1	0
Chromium	ppm	<b>1</b>	<1	2	<1
Molybdenum	ppm	<b>2</b>	1	4	3
Nickel	ppm	<b>&lt;1</b>	0	1	<1
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	<1	4	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>127</b>	34	266	94
Magnesium	ppm	<b>10</b>	8	21	12
Zinc	ppm	<b>65</b>	31	115	56
Phosphorus	ppm	<b>1028</b>	725	899	908
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>172</b>	145	147	136

**Depot:** VOLVO0093  
**Unique No:** 10551182  
**Signed:** Wes Davis  
**Report Date:** 12 Jul 2023



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## GRAPHS

