



# CONSTRUCTION EQUIPMENT

565152 MOSAIC VOLVO A40G 342363 - FRONT AXLE



**Sample No:** VCP424857  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 565152 MOSAIC



## SAMPLE INFORMATION

Sample Number	<b>VCP424857</b>	VCP354071	VCP340267	VCP269643
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>	303	274	277
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## CONTAMINATION

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

## 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>57</b>	42	81	78
Copper	ppm	<b>2</b>	1	2	<1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>1</b>	<1	<1	0
Chromium	ppm	<b>&lt;1</b>	<1	1	1
Molybdenum	ppm	<b>2</b>	1	3	2
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	3	3
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>101</b>	56	120	80
Magnesium	ppm	<b>9</b>	8	14	9
Zinc	ppm	<b>57</b>	38	60	46
Phosphorus	ppm	<b>1026</b>	713	855	912
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>161</b>	142	155	151

**Depot:** VOLVO0093  
**Unique No:** 10551175  
**Signed:** Wes Davis  
**Report Date:** 12 Jul 2023



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## GRAPHS

