



# CONSTRUCTION EQUIPMENT

567604 VOLVO A40G 342177 - BOGIE/CENTER AXLE



**Sample No:** VCP424430  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 567604



## SAMPLE INFORMATION

Sample Number	<b>VCP424430</b>	VCP386062	VCP331630	VCP321506
Sample Date	<b>29 Jun 2023</b>	12 Sep 2022	02 Mar 2022	31 Aug 2021
Machine Hours	<b>10619</b>	9334	8227	7246
Oil Hours	<b>2000</b>	500	1500	1000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: ROBERT TURNER  
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T:  
F:



## OIL CONDITION

Visc @ 40°C	cSt	<b>308</b>	317	273	276
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## CONTAMINATION

Silicon	ppm	<b>4</b>	3	3	10
Sodium	ppm	<b>0</b>	0	0	<1
Potassium	ppm	<b>0</b>	<1	1	4



## WEAR METALS

Iron	ppm	<b>59</b>	30	49	36
Copper	ppm	<b>0</b>	0	2	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	<1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>2</b>	1	7	5
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>87</b>	36	78	59
Magnesium	ppm	<b>8</b>	5	21	15
Zinc	ppm	<b>70</b>	37	66	50
Phosphorus	ppm	<b>1087</b>	985	1015	834
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>219</b>	178	178	191

## 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.

**Depot:** RIPTAM  
**Unique No:** 10574645  
**Signed:** Wes Davis  
**Report Date:** 27 Jul 2023



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## VOLVO GRAPHS

