



# CONSTRUCTION EQUIPMENT

## Z37246 VOLVO A25G 752299 - FRONT AXLE



**Sample No:** VCP414296  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** Z37246



### SAMPLE INFORMATION

Sample Number	<b>VCP414296</b>	VCP401765	VCP390798	VCP361488
Sample Date	<b>18 Oct 2023</b>	24 Aug 2023	30 Mar 2023	07 Sep 2022
Machine Hours	<b>5905</b>	5368	3980	2151
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>144</b>	139	141	135
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### CONTAMINATION

Silicon	ppm	<b>&lt;1</b>	<1	1	2
Sodium	ppm	<b>0</b>	<1	<1	<1
Potassium	ppm	<b>1</b>	0	<1	<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>16</b>	34	47	94
Copper	ppm	<b>1</b>	3	3	11
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>2</b>	2	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	1
Molybdenum	ppm	<b>&lt;1</b>	0	1	4
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	2	3
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>8</b>	50	38	153
Magnesium	ppm	<b>&lt;1</b>	3	9	0
Zinc	ppm	<b>0</b>	14	19	72
Phosphorus	ppm	<b>976</b>	1013	1013	994
Barium	ppm	<b>0</b>	0	0	2
Boron	ppm	<b>204</b>	213	201	269

**Depot:** DIPMED  
**Unique No:** 10709640  
**Signed:** Sean Felton  
**Report Date:** 25 Oct 2023



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## GRAPHS

