



# CONSTRUCTION EQUIPMENT

## SWA311403 RENTAL VOLVO A45G 342486 - REAR AXLE



**Sample No:** VCP409124  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWA311403 RENTAL



### SAMPLE INFORMATION

Sample Number	<b>VCP409124</b>	VCP389863	VCP371764	VCP346618
Sample Date	<b>27 Jul 2023</b>	09 Mar 2023	05 Aug 2022	18 May 2022
Machine Hours	<b>8804</b>	7628	6436	5765
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	NORMAL

**ALTA CONSTRUCTION EQUIPMENT**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>134</b>	192	▲ 42.3	42.4
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### CONTAMINATION

Silicon	ppm	<b>4</b>	14	12	12
Sodium	ppm	<b>1</b>	3	8	10
Potassium	ppm	<b>&lt;1</b>	0	2	0



### WEAR METALS

Iron	ppm	<b>34</b>	50	256	267
Copper	ppm	<b>&lt;1</b>	<1	2	<1
Lead	ppm	<b>&lt;1</b>	<1	<1	0
Tin	ppm	<b>&lt;1</b>	<1	0	<1
Aluminum	ppm	<b>&lt;1</b>	1	2	1
Chromium	ppm	<b>&lt;1</b>	1	5	5
Molybdenum	ppm	<b>&lt;1</b>	<1	5	2
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>&lt;1</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	2	11	10
Vanadium	ppm	<b>0</b>	0	<1	0



### ADDITIVES

Calcium	ppm	<b>275</b>	2803	▲ 3852	3842
Magnesium	ppm	<b>0</b>	14	51	20
Zinc	ppm	<b>132</b>	1133	▲ 1596	1518
Phosphorus	ppm	<b>498</b>	940	1371	1334
Barium	ppm	<b>0</b>	0	1	0
Boron	ppm	<b>2</b>	9	170	187

### 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:** VOLVO5055  
**Unique No:** 10589823  
**Signed:** Wes Davis  
**Report Date:** 08 Aug 2023



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## VOLVO GRAPHS

