



# CONSTRUCTION EQUIPMENT

## SWA337099 RENTAL VOLVO A45GFS 342487 - DROP BOX



**Sample No:** VCP414260  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SWA337099 RENTAL



### SAMPLE INFORMATION

Sample Number	<b>VCP414260</b>	VCP375884	VCP357642	VCP350092
Sample Date	<b>11 Sep 2023</b>	30 Aug 2022	22 Mar 2022	22 Mar 2022
Machine Hours	<b>9611</b>	6561	6140	5826
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	N/A	Not Changd	N/A
Sample Status	<b>SEVERE</b>	ABNORMAL	NORMAL	NORMAL

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

Visc @ 40°C	cSt	<b>134</b>	54.4	143	151
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### CONTAMINATION

Silicon	ppm	<b>16</b>	2	25	31
Sodium	ppm	<b>2</b>	0	3	0
Potassium	ppm	<b>2</b>	<1	4	2



### WEAR METALS

Iron	ppm	<b>1313</b>	203	199	250
Copper	ppm	<b>4</b>	2	5	5
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>0</b>	1	<1	8
Chromium	ppm	<b>16</b>	3	4	3
Molybdenum	ppm	<b>9</b>	5	4	8
Nickel	ppm	<b>5</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	3	0	0
Manganese	ppm	<b>14</b>	2	3	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>166</b>	33	1965	2042
Magnesium	ppm	<b>6</b>	2	8	16
Zinc	ppm	<b>60</b>	18	867	912
Phosphorus	ppm	<b>320</b>	2115	1103	1162
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>6</b>	259	58	48

### Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VOLVO5055  
**Unique No:** 10645545  
**Signed:** Don Baldrige  
**Report Date:** 15 Sep 2023



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## GRAPHS

