



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 342321 - DROP BOX



**Sample No:** VCP412975  
**Oil Type:** VOLVO API GL-5 SAE 75W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP412975</b>	VCP405924	VCP369003	VCP357223
Sample Date	<b>11 Jul 2023</b>	22 Mar 2023	23 Nov 2022	16 Aug 2022
Machine Hours	<b>8493</b>	8012	7534	6948
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**SAIIA CONSTRUCTION LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>309</b>	273	272	269
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### CONTAMINATION

Silicon	ppm	<b>4</b>	7	8	5
Sodium	ppm	<b>0</b>	2	0	0
Potassium	ppm	<b>0</b>	<1	0	0



### WEAR METALS

Iron	ppm	<b>15</b>	43	29	40
Copper	ppm	<b>0</b>	<1	0	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>4</b>	10	5	7
Chromium	ppm	<b>&lt;1</b>	<1	<1	0
Molybdenum	ppm	<b>4</b>	7	6	5
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>54</b>	63	58	58
Magnesium	ppm	<b>26</b>	22	15	18
Zinc	ppm	<b>47</b>	58	51	55
Phosphorus	ppm	<b>1102</b>	1023	955	958
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>214</b>	159	187	195

### 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:** SAIBIR  
**Unique No:** 10574628  
**Signed:** Sean Felton  
**Report Date:** 28 Jul 2023



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## GRAPHS

