



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 325973 (S/N 352973) - DROP BOX



**Sample No:** VCP454871  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP454871</b>	VCP445299	VCP431885	VCP427431
Sample Date	<b>25 Jun 2024</b>	07 Mar 2024	08 Nov 2023	24 Aug 2023
Machine Hours	<b>4536</b>	4034	3521	3044
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	<b>313</b>	47.8	47.8	48.5
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>10</b>	71	69	69
Sodium	ppm	<b>3</b>	8	8	5
Potassium	ppm	<b>2</b>	2	3	3

### 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>148</b>	454	329	313
Copper	ppm	<b>3</b>	17	15	14
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	0	0	0
Chromium	ppm	<b>2</b>	3	2	2
Molybdenum	ppm	<b>4</b>	6	5	6
Nickel	ppm	<b>&lt;1</b>	2	2	2
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	7	7	7
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>43</b>	57	28	28
Magnesium	ppm	<b>10</b>	0	5	4
Zinc	ppm	<b>24</b>	113	119	113
Phosphorus	ppm	<b>1273</b>	2188	2091	2041
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>72</b>	144	125	102

**Depot:** SAIBIR  
**Unique No:** 11114012  
**Signed:** Don Baldrige  
**Report Date:** 10 Jul 2024

**VOLVO** **GRAPHS**

