



# CONSTRUCTION EQUIPMENT

## SWO-071569 VOLVO A45G 353090 - FRONT AXLE



**Sample No:** VCP453707  
**Oil Type:** {unknown}  
**Job No:** SWO-071569



### SAMPLE INFORMATION

Sample Number	<b>VCP453707</b>	VCP438020	VCP432851	VCP407513
Sample Date	<b>02 May 2024</b>	03 Jan 2024	19 Sep 2023	09 Jun 2023
Machine Hours	<b>3089</b>	2588	2023	1481
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	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>51.1</b>	50.3	50.3	50.5
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>11</b>	8	7	9
Sodium	ppm	<b>2</b>	0	2	2
Potassium	ppm	<b>4</b>	4	4	4

### 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>318</b>	217	149	320
Copper	ppm	<b>2</b>	3	2	2
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>1</b>	2	1	<1
Chromium	ppm	<b>4</b>	2	2	5
Molybdenum	ppm	<b>8</b>	6	5	9
Nickel	ppm	<b>&lt;1</b>	1	<1	<1
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>8</b>	6	5	9
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>141</b>	136	122	127
Magnesium	ppm	<b>2</b>	1	<1	<1
Zinc	ppm	<b>80</b>	59	59	55
Phosphorus	ppm	<b>2641</b>	2293	2318	2519
Barium	ppm	<b>&lt;1</b>	8	0	0
Boron	ppm	<b>216</b>	221	222	254

**Depot:** SAIBIR  
**Unique No:** 11020308  
**Signed:** Angela Borella  
**Report Date:** 13 May 2024



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## VOLVO GRAPHS

