



# CONSTRUCTION EQUIPMENT

SWO-071569 VOLVO A45G 353092 - REAR AXLE



**Sample No:** VCP453749  
**Oil Type:** {unknown}  
**Job No:** SWO-071569



## SAMPLE INFORMATION

Sample Number	<b>VCP453749</b>	VCP443290	VCP428972	VCP407516
Sample Date	<b>02 May 2024</b>	03 Jan 2024	19 Sep 2023	09 Jun 2023
Machine Hours	<b>3022</b>	2545	2012	1497
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>51.0</b>	50.6	51.0	51.0
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	4	4	3
Sodium	ppm	<b>2</b>	0	2	2
Potassium	ppm	<b>5</b>	7	5	5



## WEAR METALS

Iron	ppm	<b>139</b>	169	134	228
Copper	ppm	<b>&lt;1</b>	2	2	1
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>0</b>	2	<1	0
Chromium	ppm	<b>2</b>	2	2	4
Molybdenum	ppm	<b>6</b>	9	7	11
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>6</b>	7	6	8
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>147</b>	155	153	145
Magnesium	ppm	<b>2</b>	1	<1	0
Zinc	ppm	<b>81</b>	70	73	63
Phosphorus	ppm	<b>2550</b>	2331	2321	2512
Barium	ppm	<b>&lt;1</b>	8	0	0
Boron	ppm	<b>261</b>	268	259	282

## 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:** 11020303  
**Signed:** Angela Borella  
**Report Date:** 13 May 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

