



# CONSTRUCTION EQUIPMENT

SWO-071569 VOLVO A45G 353090 - REAR AXLE



**Sample No:** VCP453834  
**Oil Type:** {unknown}  
**Job No:** SWO-071569



## SAMPLE INFORMATION

Sample Number	<b>VCP453834</b>	VCP442696	VCP432854	VCP412704
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>51.4</b>	53.7	51.0	57.3
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	4	3	7
Sodium	ppm	<b>2</b>	0	1	2
Potassium	ppm	<b>4</b>	6	5	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>266</b>	175	134	258
Copper	ppm	<b>1</b>	2	1	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>3</b>	2	2	4
Molybdenum	ppm	<b>9</b>	7	6	10
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>7</b>	6	5	8
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>138</b>	129	123	127
Magnesium	ppm	<b>1</b>	1	<1	<1
Zinc	ppm	<b>76</b>	61	60	54
Phosphorus	ppm	<b>2537</b>	2306	2307	2514
Barium	ppm	<b>&lt;1</b>	8	0	0
Boron	ppm	<b>258</b>	251	258	282

**Depot:** SAIBIR  
**Unique No:** 11020310  
**Signed:** Angela Borella  
**Report Date:** 13 May 2024



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## VOLVO GRAPHS

