



# CONSTRUCTION EQUIPMENT

SWO-063672 VOLVO A45G 352708 - REAR AXLE



**Sample No:** VCP405239  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-063672



## SAMPLE INFORMATION

Sample Number	<b>VCP405239</b>	VCP402470	VCP366781	VCP349151
Sample Date	<b>06 Jul 2023</b>	24 Mar 2023	25 Jul 2022	01 Apr 2022
Machine Hours	<b>3920</b>	3429	2440	1868
Oil Hours	<b>0</b>	0	2440	1868
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	ABNORMAL

**SAIIA CONSTRUCTION LLC**  
 4400 LEWISBURG RD  
 BIRMINGHAM, AL  
 US 35207  
 Contact: STEPHANI BRITTON  
 sbritton@saiia.com;doug.bogart@wearcheck.com  
 T: (205)943-2268  
 F: (205)943-2269



## OIL CONDITION

Visc @ 40°C	cSt	<b>50.0</b>	49.9	50.1	50.2
-------------	-----	-------------	------	------	------



## CONTAMINATION

Silicon	ppm	<b>3</b>	4	23	4
Sodium	ppm	<b>2</b>	2	<1	1
Potassium	ppm	<b>3</b>	6	6	4



## WEAR METALS

Iron	ppm	<b>130</b>	229	292	248
Copper	ppm	<b>4</b>	2	2	2
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	<1	8	1
Chromium	ppm	<b>2</b>	3	5	4
Molybdenum	ppm	<b>6</b>	7	7	7
Nickel	ppm	<b>&lt;1</b>	<1	0	1
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>6</b>	9	11	10
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>156</b>	121	113	117
Magnesium	ppm	<b>&lt;1</b>	5	2	2
Zinc	ppm	<b>58</b>	47	57	54
Phosphorus	ppm	<b>2444</b>	2505	2235	2401
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>225</b>	238	266	234

## Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** SAIBIR  
**Unique No:** 10551211  
**Signed:** Sean Felton  
**Report Date:** 13 Jul 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

