



# CONSTRUCTION EQUIPMENT

SWO-071569 VOLVO A45G 353092 - BOGIE/CENTER AXLE



**Sample No:** VCP453646  
**Oil Type:** {unknown}  
**Job No:** SWO-071569



## SAMPLE INFORMATION

Sample Number	<b>VCP453646</b>	VCP443286	VCP431095	VCP407502
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

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>50.5</b>	52.4	50.4	50.3
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	5	4	4
Sodium	ppm	<b>2</b>	0	2	2
Potassium	ppm	<b>2</b>	4	3	1



## WEAR METALS

Iron	ppm	<b>202</b>	196	181	246
Copper	ppm	<b>3</b>	4	3	3
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	2	<1	0
Chromium	ppm	<b>2</b>	2	2	4
Molybdenum	ppm	<b>10</b>	11	12	18
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>	7	6	8
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>148</b>	143	137	140
Magnesium	ppm	<b>1</b>	1	<1	0
Zinc	ppm	<b>83</b>	66	66	60
Phosphorus	ppm	<b>2511</b>	2328	2308	2543
Barium	ppm	<b>&lt;1</b>	8	0	0
Boron	ppm	<b>210</b>	243	229	276

## 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:** 11020302  
**Signed:** Angela Borella  
**Report Date:** 13 May 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

