



# CONSTRUCTION EQUIPMENT

## SWO-064224 VOLVO A45G 352736 - BOGIE/CENTER AXLE



**Sample No:** VCP425078  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** SWO-064224



### SAMPLE INFORMATION

Sample Number	<b>VCP425078</b>	VCP400722	VCP397727	VCP367370
Sample Date	<b>01 Aug 2023</b>	02 May 2023	07 Dec 2022	19 Sep 2022
Machine Hours	<b>7719</b>	3396	2918	2448
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	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>49.5</b>	50.2	48.5	49.0
-------------	-----	-------------	------	------	------



### CONTAMINATION

Silicon	ppm	<b>6</b>	3	4	4
Sodium	ppm	<b>&lt;1</b>	2	2	2
Potassium	ppm	<b>4</b>	2	3	3



### WEAR METALS

Iron	ppm	<b>281</b>	161	197	220
Copper	ppm	<b>3</b>	3	2	2
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	0	0	<1
Chromium	ppm	<b>3</b>	2	2	3
Molybdenum	ppm	<b>8</b>	6	6	8
Nickel	ppm	<b>1</b>	<1	1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>12</b>	8	8	9
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>126</b>	111	102	113
Magnesium	ppm	<b>2</b>	4	<1	0
Zinc	ppm	<b>62</b>	47	53	54
Phosphorus	ppm	<b>2390</b>	2417	2355	2422
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>217</b>	209	231	230

### 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:** 10588368  
**Signed:** Jonathan Hester  
**Report Date:** 07 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

