



# CONSTRUCTION EQUIPMENT

## SWO-064855 VOLVO A45G 352915 - BOGIE/CENTER AXLE



**Sample No:** VCP413521  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** SWO-064855



### SAMPLE INFORMATION

Sample Number	<b>VCP413521</b>	VCP414104	VCP397706	VCP388771
Sample Date	<b>15 Aug 2023</b>	26 May 2023	19 Jan 2023	28 Sep 2022
Machine Hours	<b>2344</b>	1912	1420	978
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	<b>273</b>	267	269	49.3
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### CONTAMINATION

Silicon	ppm	<b>5</b>	3	3	2
Sodium	ppm	<b>0</b>	<1	<1	2
Potassium	ppm	<b>1</b>	1	<1	0



### WEAR METALS

Iron	ppm	<b>211</b>	190	50	106
Copper	ppm	<b>2</b>	<1	<1	3
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	<1	<1
Chromium	ppm	<b>3</b>	4	<1	<1
Molybdenum	ppm	<b>8</b>	9	5	5
Nickel	ppm	<b>&lt;1</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>9</b>	8	5	6
Vanadium	ppm	<b>0</b>	0	0	2



### ADDITIVES

Calcium	ppm	<b>187</b>	161	117	96
Magnesium	ppm	<b>36</b>	35	28	0
Zinc	ppm	<b>107</b>	97	81	21
Phosphorus	ppm	<b>1189</b>	1152	925	2592
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>229</b>	198	160	288

### 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:** 10617658  
**Signed:** Jonathan Hester  
**Report Date:** 25 Aug 2023



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## GRAPHS

