



# CONSTRUCTION EQUIPMENT

## SWO-068628 VOLVO A45G 353092 - BOGIE/CENTER AXLE



**Sample No:** VCP443286  
**Oil Type:** {unknown}  
**Job No:** SWO-068628



### SAMPLE INFORMATION

Sample Number	<b>VCP443286</b>	VCP431095	VCP407502	VCP395499
Sample Date	<b>03 Jan 2024</b>	19 Sep 2023	09 Jun 2023	23 Feb 2023
Machine Hours	<b>2545</b>	2012	1497	1000
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>52.4</b>	50.4	50.3	53.3
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### CONTAMINATION

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

### 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>196</b>	181	246	204
Copper	ppm	<b>4</b>	3	3	3
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	0	<1
Chromium	ppm	<b>2</b>	2	4	3
Molybdenum	ppm	<b>11</b>	12	18	18
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>7</b>	6	8	7
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>143</b>	137	140	145
Magnesium	ppm	<b>1</b>	<1	0	1
Zinc	ppm	<b>66</b>	66	60	71
Phosphorus	ppm	<b>2328</b>	2308	2543	2402
Barium	ppm	<b>8</b>	0	0	0
Boron	ppm	<b>243</b>	229	276	284

**Depot:** SAIBIR  
**Unique No:** 10820298  
**Signed:** Jonathan Hester  
**Report Date:** 10 Jan 2024



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## GRAPHS

