



# CONSTRUCTION EQUIPMENT

SWO-066738 VOLVO A45G 352799 - BOGIE/CENTER AXLE



**Sample No:** VCP429590  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-066738



## SAMPLE INFORMATION

Sample Number	<b>VCP429590</b>	VCP417782	VCP405917	VCP369034
Sample Date	<b>25 Oct 2023</b>	12 Jul 2023	29 Mar 2023	16 Nov 2022
Machine Hours	<b>4451</b>	3946	3445	2976
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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BIRMINGHAM, AL  
US 35207

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F: (205)943-2269



## OIL CONDITION

Visc @ 40°C	cSt	<b>288</b>	151	151	152
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## CONTAMINATION

Silicon	ppm	<b>7</b>	9	12	8
Sodium	ppm	<b>0</b>	8	8	9
Potassium	ppm	<b>2</b>	1	3	0



## WEAR METALS

Iron	ppm	<b>74</b>	348	381	297
Copper	ppm	<b>1</b>	1	1	1
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>1</b>	2	4	2
Chromium	ppm	<b>&lt;1</b>	6	6	5
Molybdenum	ppm	<b>19</b>	8	8	7
Nickel	ppm	<b>&lt;1</b>	<1	<1	1
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>1</b>	12	12	10
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>256</b>	2968	3062	2672
Magnesium	ppm	<b>27</b>	31	34	29
Zinc	ppm	<b>138</b>	1278	1393	1147
Phosphorus	ppm	<b>1113</b>	1170	1190	1041
Barium	ppm	<b>0</b>	6	0	3
Boron	ppm	<b>175</b>	41	37	37

## 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:** 10715025  
**Signed:** Sean Felton  
**Report Date:** 31 Oct 2023

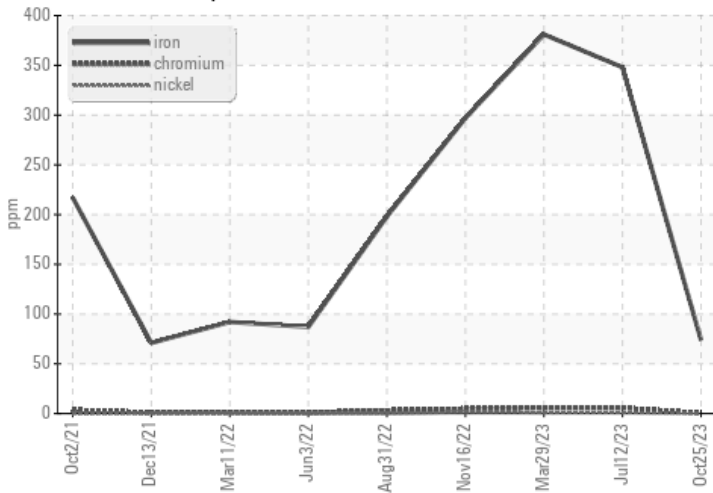


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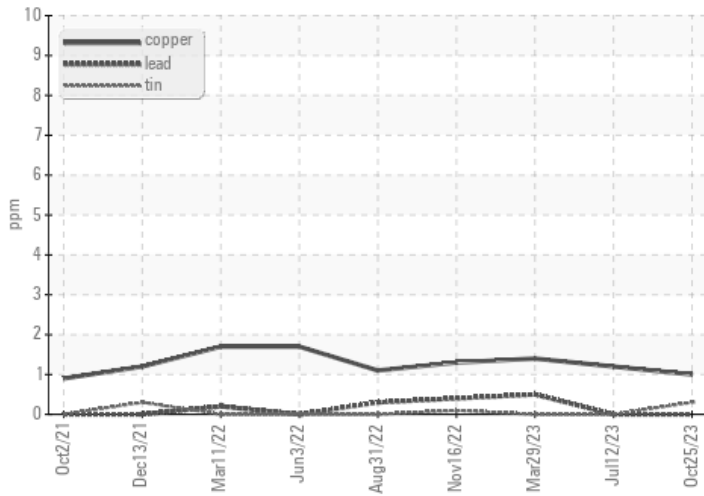


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

