



# CONSTRUCTION EQUIPMENT

SWO-066738 VOLVO A45G 352639 - FRONT AXLE



**Sample No:** VCP431982  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-066738



## SAMPLE INFORMATION

Sample Number	<b>VCP431982</b>	VCP416401	VCP410477	VCP397074
Sample Date	<b>23 Oct 2023</b>	07 Aug 2023	12 May 2023	17 Feb 2023
Machine Hours	<b>4956</b>	4377	3923	3418
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**SAIIA CONSTRUCTION LLC**  
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 BIRMINGHAM, AL  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>288</b>	291	50.2	50.0
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## CONTAMINATION

Silicon	ppm	<b>5</b>	5	6	5
Sodium	ppm	<b>0</b>	0	1	<1
Potassium	ppm	<b>2</b>	<1	3	2



## WEAR METALS

Iron	ppm	<b>56</b>	53	395	416
Copper	ppm	<b>&lt;1</b>	<1	2	1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>1</b>	<1	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	5	4
Molybdenum	ppm	<b>3</b>	2	5	4
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	0
Manganese	ppm	<b>1</b>	1	10	10
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>89</b>	89	88	100
Magnesium	ppm	<b>17</b>	18	0	7
Zinc	ppm	<b>50</b>	61	43	58
Phosphorus	ppm	<b>1113</b>	1043	2271	2294
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>185</b>	207	177	188

## 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:** 10715030  
**Signed:** Sean Felton  
**Report Date:** 31 Oct 2023

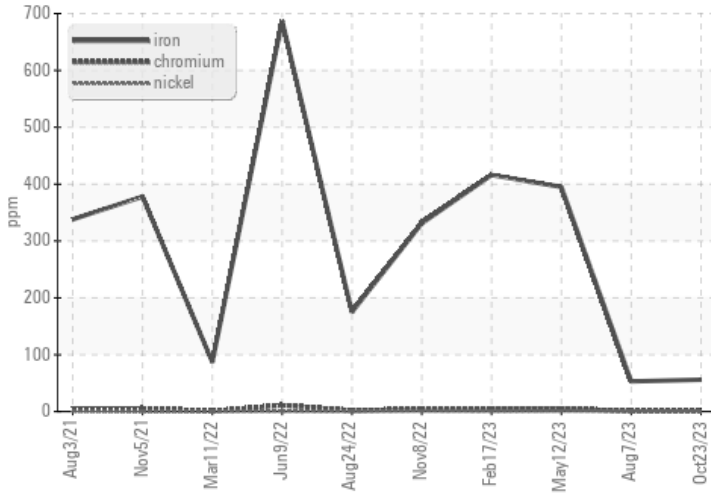


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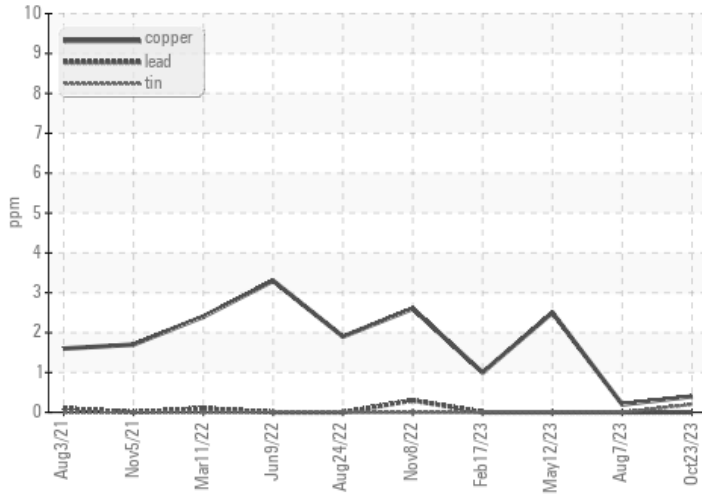


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

