



# CONSTRUCTION EQUIPMENT

SWO-066739 VOLVO A45G 352698 - REAR AXLE



**Sample No:** VCP427454  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-066739



## SAMPLE INFORMATION

Sample Number	<b>VCP427454</b>	VCP406864	VCP410137	VCP367720
Sample Date	<b>23 Oct 2023</b>	07 Aug 2023	16 May 2023	17 Jan 2023
Machine Hours	<b>5103</b>	4553	4038	3513
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>308</b>	304	145	146
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## CONTAMINATION

Silicon	ppm	<b>4</b>	6	6	8
Sodium	ppm	<b>2</b>	0	8	8
Potassium	ppm	<b>2</b>	1	3	2



## WEAR METALS

Iron	ppm	<b>16</b>	16	209	203
Copper	ppm	<b>0</b>	<1	<1	1
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>1</b>	<1	3	1
Chromium	ppm	<b>&lt;1</b>	<1	3	4
Molybdenum	ppm	<b>2</b>	2	8	9
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	8	9
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>152</b>	199	2591	2546
Magnesium	ppm	<b>15</b>	15	25	27
Zinc	ppm	<b>99</b>	111	1109	1098
Phosphorus	ppm	<b>906</b>	1018	1030	984
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>159</b>	197	33	31

## 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:** 10715039  
**Signed:** Sean Felton  
**Report Date:** 31 Oct 2023

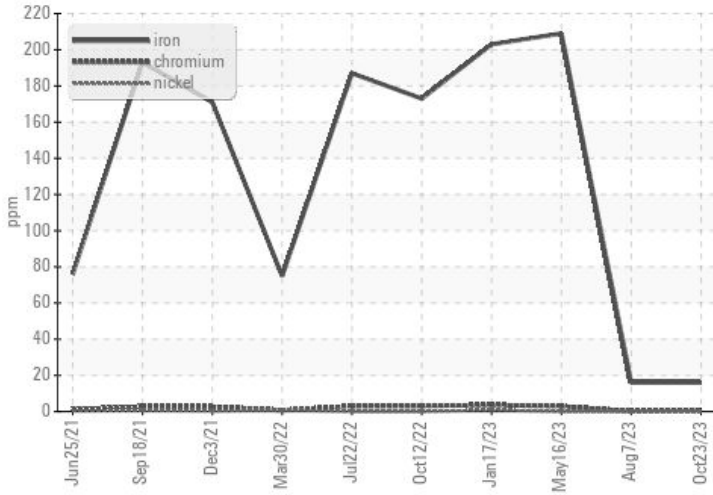


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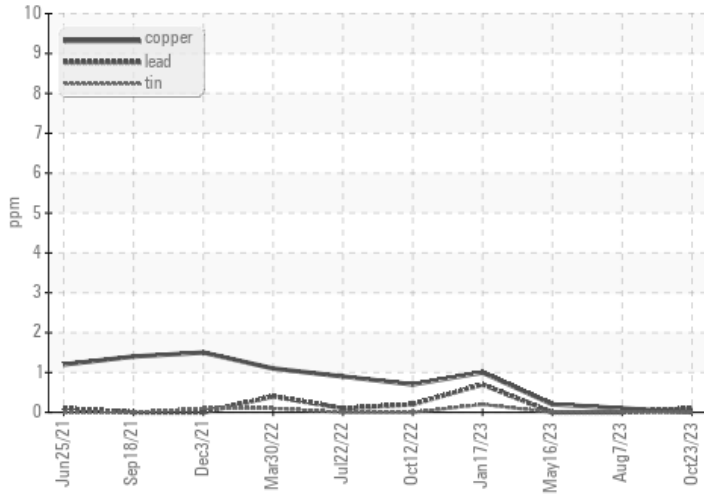


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

