



# CONSTRUCTION EQUIPMENT

SWO-066739 VOLVO A45G 352698 - FRONT AXLE



**Sample No:** VCP427457  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-066739



## SAMPLE INFORMATION

Sample Number	<b>VCP427457</b>	VCP406868	VCP408677	VCP367722
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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## OIL CONDITION

Visc @ 40°C	cSt	<b>306</b>	299	146	146
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## CONTAMINATION

Silicon	ppm	<b>5</b>	5	7	6
Sodium	ppm	<b>0</b>	0	8	8
Potassium	ppm	<b>2</b>	1	6	5



## WEAR METALS

Iron	ppm	<b>22</b>	20	294	275
Copper	ppm	<b>&lt;1</b>	<1	<1	1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	<1	0	<1
Aluminum	ppm	<b>1</b>	<1	3	<1
Chromium	ppm	<b>&lt;1</b>	<1	4	4
Molybdenum	ppm	<b>3</b>	2	16	17
Nickel	ppm	<b>&lt;1</b>	0	<1	1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	10	9
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>171</b>	175	2515	2432
Magnesium	ppm	<b>15</b>	16	25	26
Zinc	ppm	<b>91</b>	102	1091	1069
Phosphorus	ppm	<b>1112</b>	1012	1036	947
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>168</b>	190	61	45

## 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:** 10715034  
**Signed:** Sean Felton  
**Report Date:** 31 Oct 2023

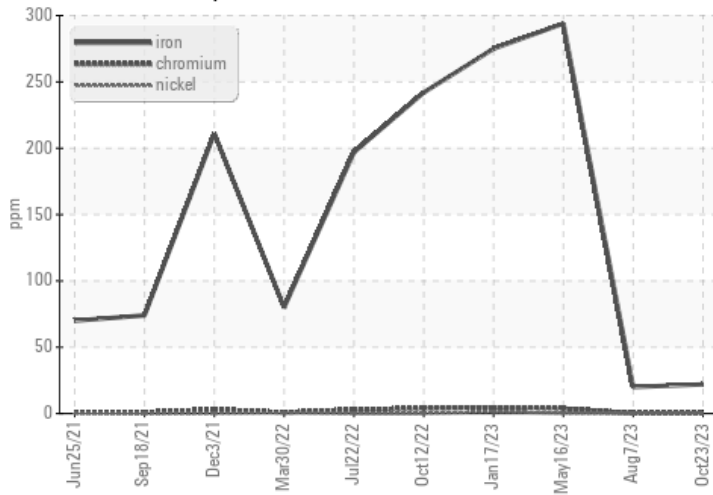


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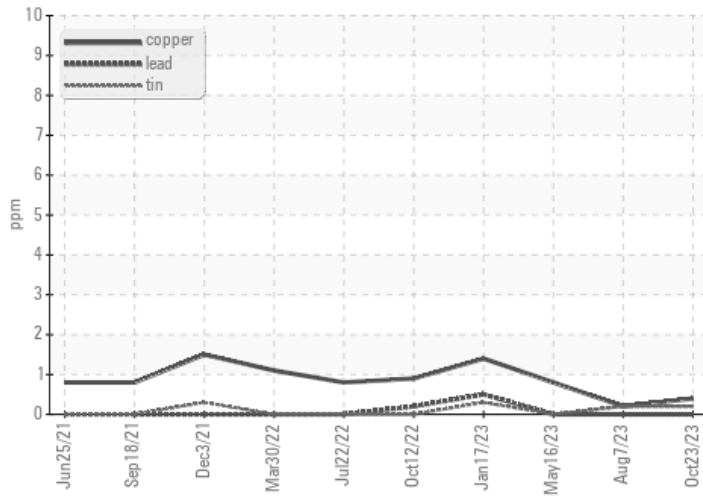


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

