



# CONSTRUCTION EQUIPMENT

SWO-066739 VOLVO A45G 352698 - BOGIE/CENTER AXLE



**Sample No:** VCP427467  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-066739



## SAMPLE INFORMATION

Sample Number	<b>VCP427467</b>	VCP406866	VCP408687	VCP367721
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

4400 LEWISBURG RD  
BIRMINGHAM, AL  
US 35207

Contact: STEPHANI BRITTON  
sbritton@saiia.com;doug.bogart@wearcheck.com  
T: (205)943-2268  
F: (205)943-2269



## OIL CONDITION

Visc @ 40°C	cSt	<b>308</b>	307	146	147
-------------	-----	------------	-----	-----	-----



## CONTAMINATION

Silicon	ppm	<b>6</b>	6	7	8
Sodium	ppm	<b>4</b>	0	8	8
Potassium	ppm	<b>2</b>	<1	2	1



## WEAR METALS

Iron	ppm	<b>38</b>	37	382	387
Copper	ppm	<b>&lt;1</b>	<1	<1	1
Lead	ppm	<b>&lt;1</b>	0	0	1
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>1</b>	<1	3	1
Chromium	ppm	<b>&lt;1</b>	<1	5	6
Molybdenum	ppm	<b>3</b>	3	13	15
Nickel	ppm	<b>&lt;1</b>	<1	<1	2
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	10	11
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>172</b>	192	2554	2569
Magnesium	ppm	<b>15</b>	15	25	27
Zinc	ppm	<b>105</b>	107	1097	1109
Phosphorus	ppm	<b>939</b>	1014	1019	989
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>142</b>	190	37	35

## 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:** 10715041  
**Signed:** Sean Felton  
**Report Date:** 31 Oct 2023

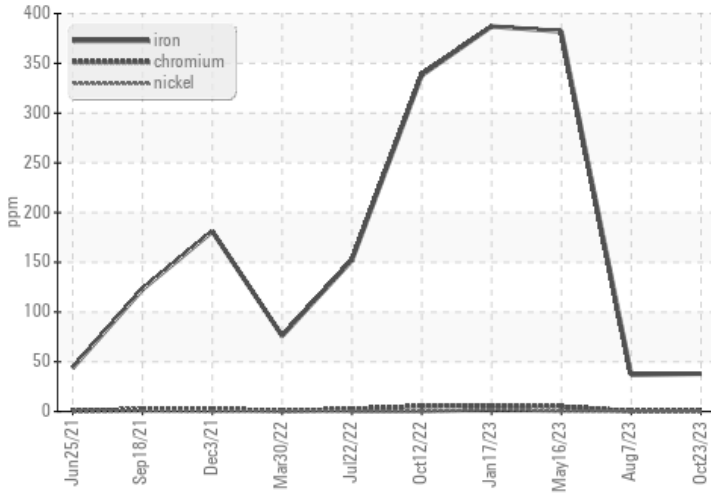


# CONSTRUCTION EQUIPMENT

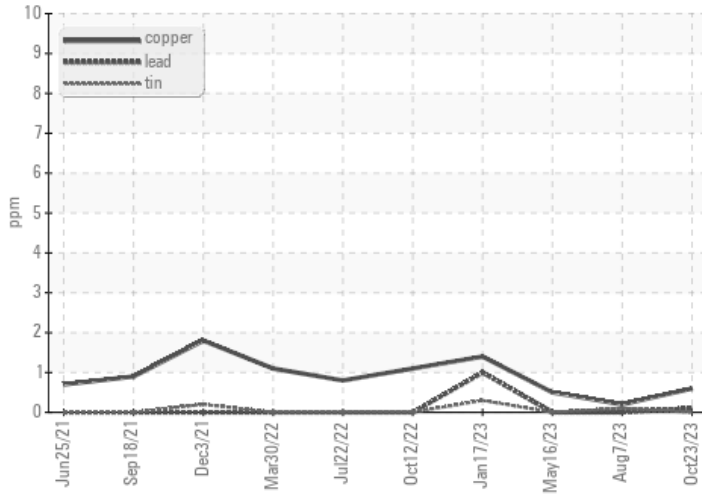


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

