



# CONSTRUCTION EQUIPMENT

SWO-066738 VOLVO A45G 352639 - DROP BOX



**Sample No:** VCP427472  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-066738



## SAMPLE INFORMATION

Sample Number	<b>VCP427472</b>	VCP416743	VCP410478	VCP395233
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	ATTENTION	ABNORMAL

### 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>99.2</b>	202	47.4	47.0
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## CONTAMINATION

Silicon	ppm	<b>12</b>	13	42	42
Sodium	ppm	<b>0</b>	1	7	6
Potassium	ppm	<b>3</b>	1	4	3



## WEAR METALS

Iron	ppm	<b>23</b>	32	155	153
Copper	ppm	<b>4</b>	3	12	10
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>1</b>	<1	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	2	<1
Molybdenum	ppm	<b>4</b>	4	10	10
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>&lt;1</b>	<1	5	5
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1847</b>	65	44	53
Magnesium	ppm	<b>15</b>	17	6	12
Zinc	ppm	<b>768</b>	60	160	161
Phosphorus	ppm	<b>1377</b>	1222	2081	2080
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>190</b>	173	128	149

## 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:** 10715036  
**Signed:** Sean Felton  
**Report Date:** 31 Oct 2023

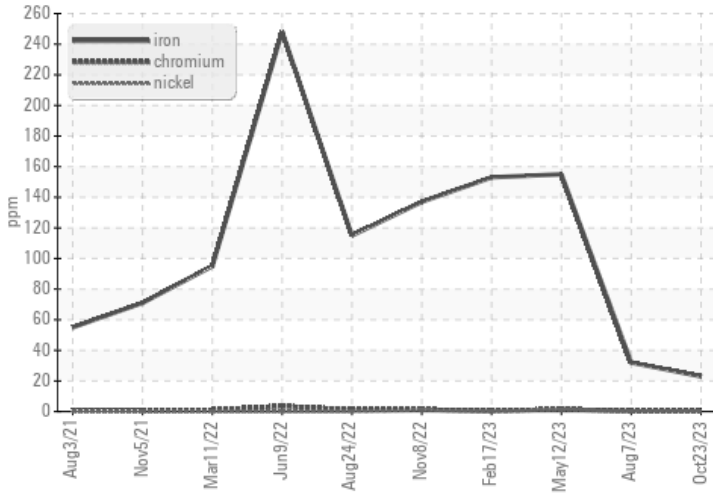


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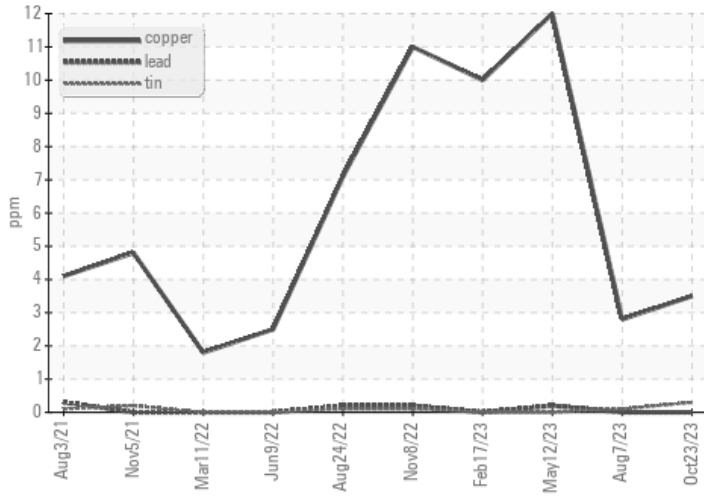


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

