



# CONSTRUCTION EQUIPMENT

SWO-064338 VOLVO A45G 352916 - FRONT AXLE



**Sample No:** VCP415953  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-064338



## SAMPLE INFORMATION

Sample Number	<b>VCP415953</b>	VCP404632	VCP403238	VCP362533
Sample Date	<b>25 Jul 2023</b>	04 May 2023	24 Jan 2023	07 Jul 2022
Machine Hours	<b>3005</b>	2493	1980	936
Oil Hours	<b>0</b>	0	0	936
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>48.7</b>	49.0	49.7	50.3
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## CONTAMINATION

Silicon	ppm	<b>12</b>	3	2	3
Sodium	ppm	<b>2</b>	2	1	6
Potassium	ppm	<b>3</b>	3	2	13



## WEAR METALS

Iron	ppm	<b>226</b>	203	64	97
Copper	ppm	<b>2</b>	<1	<1	1
Lead	ppm	<b>0</b>	0	0	1
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>1</b>	<1	<1	<1
Chromium	ppm	<b>3</b>	3	<1	2
Molybdenum	ppm	<b>7</b>	8	7	8
Nickel	ppm	<b>&lt;1</b>	2	<1	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	<1	0	1
Manganese	ppm	<b>10</b>	10	5	9
Vanadium	ppm	<b>0</b>	<1	0	<1



## ADDITIVES

Calcium	ppm	<b>137</b>	120	109	74
Magnesium	ppm	<b>&lt;1</b>	4	1	5
Zinc	ppm	<b>62</b>	53	48	35
Phosphorus	ppm	<b>2476</b>	2549	2277	1551
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>219</b>	215	248	168

## 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:** 10575836  
**Signed:** Don Baldrige  
**Report Date:** 30 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

