



# CONSTRUCTION EQUIPMENT

SWO-065619 VOLVO A45G 353092 - FRONT AXLE



**Sample No:** VCP428971  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-065619



## SAMPLE INFORMATION

Sample Number	<b>VCP428971</b>	VCP407522	VCP395500	VCP379713
Sample Date	<b>19 Sep 2023</b>	09 Jun 2023	23 Feb 2023	26 Oct 2022
Machine Hours	<b>2012</b>	1497	1000	571
Oil Hours	<b>0</b>	0	0	0
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>50.5</b>	51.1	52.5	51.1
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## CONTAMINATION

Silicon	ppm	<b>3</b>	5	4	3
Sodium	ppm	<b>2</b>	2	3	0
Potassium	ppm	<b>4</b>	4	4	<1



## WEAR METALS

Iron	ppm	<b>130</b>	225	219	152
Copper	ppm	<b>1</b>	1	1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	<1	<1
Chromium	ppm	<b>2</b>	4	4	2
Molybdenum	ppm	<b>6</b>	10	9	10
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>5</b>	9	8	9
Vanadium	ppm	<b>0</b>	0	<1	0



## ADDITIVES

Calcium	ppm	<b>149</b>	126	131	126
Magnesium	ppm	<b>1</b>	<1	<1	0
Zinc	ppm	<b>66</b>	54	61	56
Phosphorus	ppm	<b>2296</b>	2539	2421	2382
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>217</b>	259	270	308

## 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 oil. The condition of the oil is acceptable for the time in service.

**Depot:** SAIBIR  
**Unique No:** 10661338  
**Signed:** Don Baldrige  
**Report Date:** 26 Sep 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

