



# CONSTRUCTION EQUIPMENT

SWO-066002 VOLVO A45G 352134 - FRONT AXLE



**Sample No:** VCP431900  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-066002



## SAMPLE INFORMATION

Sample Number	<b>VCP431900</b>	VCP418149	VCP414241	VCP401911
Sample Date	<b>26 Sep 2023</b>	31 Jul 2023	31 May 2023	04 Apr 2023
Machine Hours	<b>8228</b>	7719	7234	6763
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ATTENTION	ATTENTION	ATTENTION

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>96.7</b>	107	119	138
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## CONTAMINATION

Silicon	ppm	<b>14</b>	13	11	11
Sodium	ppm	<b>2</b>	0	2	<1
Potassium	ppm	<b>0</b>	2	<1	0



## WEAR METALS

Iron	ppm	<b>75</b>	65	59	55
Copper	ppm	<b>114</b>	111	98	89
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>5</b>	4	3	2
Chromium	ppm	<b>&lt;1</b>	1	<1	<1
Molybdenum	ppm	<b>4</b>	4	3	3
Nickel	ppm	<b>2</b>	3	2	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	1	1	2
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1690</b>	1494	1452	1108
Magnesium	ppm	<b>33</b>	31	31	32
Zinc	ppm	<b>778</b>	694	625	527
Phosphorus	ppm	<b>1110</b>	1116	1092	1072
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>148</b>	181	144	156

## 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:** 10671438  
**Signed:** Don Baldrige  
**Report Date:** 01 Oct 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

