



# CONSTRUCTION EQUIPMENT

SWO-064007 VOLVO A45G 352799 - REAR AXLE



**Sample No:** VCP417788  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-064007



## SAMPLE INFORMATION

Sample Number	<b>VCP417788</b>	VCP405918	VCP369029	VCP364236
Sample Date	<b>12 Jul 2023</b>	29 Mar 2023	16 Nov 2022	31 Aug 2022
Machine Hours	<b>3946</b>	3445	2976	2451
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>149</b>	150	152	152
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## CONTAMINATION

Silicon	ppm	<b>9</b>	11	10	8
Sodium	ppm	<b>9</b>	8	9	7
Potassium	ppm	<b>2</b>	6	2	7



## WEAR METALS

Iron	ppm	<b>317</b>	366	285	184
Copper	ppm	<b>4</b>	2	1	1
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>1</b>	3	2	2
Chromium	ppm	<b>5</b>	6	5	3
Molybdenum	ppm	<b>6</b>	6	6	6
Nickel	ppm	<b>&lt;1</b>	<1	1	0
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>14</b>	14	12	10
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>2857</b>	3072	2728	2615
Magnesium	ppm	<b>29</b>	35	29	24
Zinc	ppm	<b>1189</b>	1397	1145	1093
Phosphorus	ppm	<b>1135</b>	1194	1038	1054
Barium	ppm	<b>2</b>	0	3	8
Boron	ppm	<b>44</b>	34	34	33

## 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:** 10574591  
**Signed:** Sean Felton  
**Report Date:** 28 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

