



# CONSTRUCTION EQUIPMENT

SWO-064552 VOLVO A45G 352134 - BRAKE



**Sample No:** VCP417946  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-064552



## SAMPLE INFORMATION

Sample Number	<b>VCP417946</b>	VCP414103	VCP401934	VCP397748
Sample Date	<b>31 Jul 2023</b>	31 May 2023	04 Apr 2023	06 Dec 2022
Machine Hours	<b>7719</b>	7234	6763	5709
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Not Changd	N/A	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	ABNORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>48.2</b>	47.2	47.1	43.9
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## CONTAMINATION

Silicon	ppm	<b>23</b>	19	20	21
Sodium	ppm	<b>&lt;1</b>	3	3	2
Potassium	ppm	<b>1</b>	0	0	0



## WEAR METALS

Iron	ppm	<b>86</b>	62	61	63
Copper	ppm	<b>181</b>	169	181	262
Lead	ppm	<b>&lt;1</b>	<1	0	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>7</b>	6	5	6
Chromium	ppm	<b>1</b>	<1	<1	1
Molybdenum	ppm	<b>6</b>	5	5	4
Nickel	ppm	<b>4</b>	4	3	5
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	1	2	2
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>2759</b>	2799	2745	3043
Magnesium	ppm	<b>33</b>	34	34	23
Zinc	ppm	<b>1193</b>	1217	1154	1300
Phosphorus	ppm	<b>1079</b>	1061	1031	1162
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>101</b>	75	78	79

## 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:** 10588362  
**Signed:** Jonathan Hester  
**Report Date:** 07 Aug 2023



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## VOLVO GRAPHS

