



# CONSTRUCTION EQUIPMENT

SWO-064552 VOLVO A45G 352134 - DROP BOX



**Sample No:** VCP416721  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-064552



## SAMPLE INFORMATION

Sample Number	<b>VCP416721</b>	VCP401940	VCP406415	VCP397953
Sample Date	<b>31 Jul 2023</b>	04 Apr 2023	06 Feb 2023	06 Dec 2022
Machine Hours	<b>7719</b>	6763	6236	5709
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>319</b>	312	323	319
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## CONTAMINATION

Silicon	ppm	<b>4</b>	4	4	2
Sodium	ppm	<b>0</b>	0	<1	0
Potassium	ppm	<b>&lt;1</b>	0	0	0



## WEAR METALS

Iron	ppm	<b>208</b>	132	233	122
Copper	ppm	<b>2</b>	<1	1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>5</b>	4	6	6
Chromium	ppm	<b>3</b>	2	4	2
Molybdenum	ppm	<b>6</b>	4	6	6
Nickel	ppm	<b>2</b>	<1	2	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	2	1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>72</b>	58	100	112
Magnesium	ppm	<b>33</b>	32	23	22
Zinc	ppm	<b>85</b>	73	66	75
Phosphorus	ppm	<b>1024</b>	985	861	944
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>124</b>	183	159	180

## 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:** 10588363  
**Signed:** Jonathan Hester  
**Report Date:** 07 Aug 2023



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## VOLVO GRAPHS

