



# CONSTRUCTION EQUIPMENT

SWO-064553 VOLVO A45G 352565 - FRONT AXLE



**Sample No:** VCP416371  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-064553



## SAMPLE INFORMATION

Sample Number	<b>VCP416371</b>	VCP412951	VCP402200	VCP406410
Sample Date	<b>31 Jul 2023</b>	31 May 2023	06 Apr 2023	07 Feb 2023
Machine Hours	<b>7625</b>	7148	6710	6181
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>296</b>	297	297	132
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## CONTAMINATION

Silicon	ppm	<b>3</b>	2	2	2
Sodium	ppm	<b>0</b>	<1	0	0
Potassium	ppm	<b>&lt;1</b>	0	0	1



## WEAR METALS

Iron	ppm	<b>16</b>	13	10	47
Copper	ppm	<b>0</b>	0	0	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	0	0
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>2</b>	1	1	3
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	3
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>45</b>	49	43	33
Magnesium	ppm	<b>36</b>	35	37	24
Zinc	ppm	<b>81</b>	70	67	80
Phosphorus	ppm	<b>1055</b>	1051	962	967
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>250</b>	189	186	75

## 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:** 10588348  
**Signed:** Jonathan Hester  
**Report Date:** 07 Aug 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

