



# CONSTRUCTION EQUIPMENT

SWO-071566 VOLVO A45G 352769 - FRONT AXLE



**Sample No:** VCP453713  
**Oil Type:** GEAR OIL SAE 90W140  
**Job No:** SWO-071566



## SAMPLE INFORMATION

Sample Number	<b>VCP453713</b>	VCP435526	VCP431100	VCP416637
Sample Date	<b>01 May 2024</b>	05 Jan 2024	20 Sep 2023	21 Jun 2023
Machine Hours	<b>5450</b>	4942	4400	3875
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>308</b>	309	308	153
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	4	5	6
Sodium	ppm	<b>&lt;1</b>	0	0	9
Potassium	ppm	<b>0</b>	1	1	5

## 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.



## WEAR METALS

Iron	ppm	<b>16</b>	13	10	202
Copper	ppm	<b>0</b>	<1	<1	1
Lead	ppm	<b>&lt;1</b>	<1	0	<1
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>0</b>	2	<1	4
Chromium	ppm	<b>0</b>	<1	<1	4
Molybdenum	ppm	<b>3</b>	3	3	6
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	9
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>165</b>	149	165	2588
Magnesium	ppm	<b>17</b>	19	18	29
Zinc	ppm	<b>107</b>	85	96	1132
Phosphorus	ppm	<b>1118</b>	1080	1003	1033
Barium	ppm	<b>0</b>	3	0	0
Boron	ppm	<b>172</b>	204	169	45

**Depot:** SAIBIR  
**Unique No:** 11020292  
**Signed:** Angela Borella  
**Report Date:** 13 May 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

