



# CONSTRUCTION EQUIPMENT

SWO-068028 VOLVO A45G 352915 - FRONT AXLE



**Sample No:** VCP447556  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** SWO-068028



## SAMPLE INFORMATION

Sample Number	<b>VCP447556</b>	VCP413520	VCP414093	VCP397693
Sample Date	<b>06 Dec 2023</b>	15 Aug 2023	26 May 2023	19 Jan 2023
Machine Hours	<b>2854</b>	2344	1912	1420
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

**SAIIA CONSTRUCTION LLC**  
 4400 LEWISBURG RD  
 BIRMINGHAM, AL  
 US 35207  
 Contact: STEPHANI BRITTON  
 sbritton@saiia.com;doug.bogart@wearcheck.com  
 T: (205)943-2268  
 F: (205)943-2269



## OIL CONDITION

Visc @ 40°C	cSt	<b>290</b>	289	288	287
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	4	4	2
Sodium	ppm	<b>&lt;1</b>	0	<1	<1
Potassium	ppm	<b>5</b>	1	1	<1

## 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>127</b>	166	152	34
Copper	ppm	<b>1</b>	<1	1	<1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>&lt;1</b>	1	<1	<1
Chromium	ppm	<b>3</b>	3	3	<1
Molybdenum	ppm	<b>7</b>	7	7	5
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>7</b>	8	8	4
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>111</b>	155	159	128
Magnesium	ppm	<b>&lt;1</b>	36	35	30
Zinc	ppm	<b>63</b>	97	100	84
Phosphorus	ppm	<b>885</b>	1160	1102	918
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>130</b>	225	186	163

**Depot:** SAIBIR  
**Unique No:** 10780785  
**Signed:** Sean Felton  
**Report Date:** 14 Dec 2023



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## GRAPHS

