



# CONSTRUCTION EQUIPMENT

SWO-071570 VOLVO A40G 341023 - REAR AXLE



**Sample No:** VCP453694  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** SWO-071570



## SAMPLE INFORMATION

Sample Number	<b>VCP453694</b>	VCP447534	VCP431106	VCP424678
Sample Date	<b>01 May 2024</b>	27 Dec 2023	20 Sep 2023	13 Jun 2023
Machine Hours	<b>9466</b>	8960	8472	7952
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**  
 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>317</b>	311	316	324
-------------	-----	------------	-----	-----	-----



## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	0	12	3
Sodium	ppm	<b>0</b>	0	<1	0
Potassium	ppm	<b>0</b>	0	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>5</b>	0	6	16
Copper	ppm	<b>0</b>	0	<1	<1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	2	3	0
Chromium	ppm	<b>0</b>	1	<1	<1
Molybdenum	ppm	<b>2</b>	0	4	2
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>93</b>	75	106	97
Magnesium	ppm	<b>19</b>	15	26	20
Zinc	ppm	<b>75</b>	45	80	60
Phosphorus	ppm	<b>1201</b>	1123	1376	1355
Barium	ppm	<b>0</b>	4	0	2
Boron	ppm	<b>199</b>	207	261	243

**Depot:** SAIBIR  
**Unique No:** 11020314  
**Signed:** Angela Borella  
**Report Date:** 13 May 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

