



# CONSTRUCTION EQUIPMENT

## SWO-071761 VOLVO A60H 340099 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP453692  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWO-071761



### SAMPLE INFORMATION

Sample Number	<b>VCP453692</b>	VCP441620	VCP435123	VCP416645
Sample Date	<b>15 May 2024</b>	23 Jan 2024	11 Oct 2023	18 Jul 2023
Machine Hours	<b>9054</b>	8489	7982	7491
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
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>254</b>	244	245	243
-------------	-----	------------	-----	-----	-----



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	4	4	3
Sodium	ppm	<b>2</b>	3	3	<1
Potassium	ppm	<b>2</b>	<1	0	0

### 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>21</b>	21	20	22
Copper	ppm	<b>&lt;1</b>	0	<1	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	0	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>5</b>	3	4	5
Nickel	ppm	<b>0</b>	<1	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	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>470</b>	432	443	540
Magnesium	ppm	<b>28</b>	30	42	36
Zinc	ppm	<b>227</b>	214	209	266
Phosphorus	ppm	<b>1112</b>	877	944	1100
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>193</b>	152	144	189

**Depot:** SAIBIR  
**Unique No:** 11036091  
**Signed:** Sean Felton  
**Report Date:** 22 May 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

