



# CONSTRUCTION EQUIPMENT

SWO-071762 VOLVO A60 340104 - DROP BOX



**Sample No:** VCP447609  
**Oil Type:** GEAR OIL SAE 90W140  
**Job No:** SWO-071762



## SAMPLE INFORMATION

Sample Number	<b>VCP447609</b>	VCP435563	VCP426204	VCP403626
Sample Date	<b>15 May 2024</b>	30 Nov 2023	24 Aug 2023	17 Apr 2023
Machine Hours	<b>9718</b>	9185	8689	8086
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	Not Changd	Not Changd	Changed
Sample Status	<b>SEVERE</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>319</b>	316	316	353
-------------	-----	------------	-----	-----	-----



## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>12</b>	10	10	18
Sodium	ppm	<b>2</b>	3	0	<1
Potassium	ppm	<b>2</b>	0	<1	0



## WEAR METALS

Iron	ppm	<b>831</b>	294	107	173
Copper	ppm	<b>3</b>	2	1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>9</b>	6	7	<b>20</b>
Chromium	ppm	<b>14</b>	4	2	3
Molybdenum	ppm	<b>4</b>	2	2	<1
Nickel	ppm	<b>7</b>	2	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>8</b>	3	1	3
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>61</b>	59	58	10
Magnesium	ppm	<b>21</b>	23	22	0
Zinc	ppm	<b>47</b>	46	44	0
Phosphorus	ppm	<b>1106</b>	1001	1005	1198
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>192</b>	187	188	231

## Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** SAIBIR  
**Unique No:** 11036076  
**Signed:** Sean Felton  
**Report Date:** 22 May 2024

**VOLVO** GRAPHS

