



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352736 - DROP BOX



**Sample No:** VCP450884  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP450884</b>	VCP442561	VCP431949	VCP425071
Sample Date	<b>06 Jun 2024</b>	27 Feb 2024	25 Oct 2023	01 Aug 2023
Machine Hours	<b>5397</b>	4888	4412	7719
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	N/A	Not Changd	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	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>334</b>	327	335	187
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>10</b>	8	4	20
Sodium	ppm	<b>0</b>	1	0	0
Potassium	ppm	<b>1</b>	0	2	<1

**Diagnosis**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. Confirm oil type. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>644</b>	686	148	452
Copper	ppm	<b>3</b>	2	2	6
Lead	ppm	<b>&lt;1</b>	2	0	<1
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>2</b>	<1	1	<1
Chromium	ppm	<b>8</b>	9	1	4
Molybdenum	ppm	<b>13</b>	12	6	8
Nickel	ppm	<b>6</b>	7	1	3
Titanium	ppm	<b>&lt;1</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>5</b>	5	1	6
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>37</b>	61	37	74
Magnesium	ppm	<b>9</b>	5	7	20
Zinc	ppm	<b>24</b>	20	11	77
Phosphorus	ppm	<b>922</b>	979	1035	1247
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>160</b>	148	158	167

**Depot:** SAIBIR  
**Unique No:** 11075582  
**Signed:** Don Baldrige  
**Report Date:** 14 Jun 2024



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## VOLVO GRAPHS

