



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352987 - DROP BOX



**Sample No:** VCP438590  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP438590</b>	VCP433583	---	---
Sample Date	<b>15 Apr 2024</b>	29 Sep 2023	---	---
Machine Hours	<b>3943</b>	3262	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>SEVERE</b>	SEVERE	---	---

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: PM Services  
PMServices@ripaconstruction.com  
T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>192</b>	49.7	---	---
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### CONTAMINATION

Water	%	<b>NEG</b>	0.266	---	---
Silicon	ppm	<b>30</b>	22	---	---
Sodium	ppm	<b>3</b>	1	---	---
Potassium	ppm	<b>&lt;1</b>	1	---	---



### WEAR METALS

Iron	ppm	<b>904</b>	1647	---	---
Copper	ppm	<b>545</b>	719	---	---
Lead	ppm	<b>0</b>	7	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>4</b>	2	---	---
Chromium	ppm	<b>9</b>	15	---	---
Molybdenum	ppm	<b>52</b>	96	---	---
Nickel	ppm	<b>5</b>	4	---	---
Titanium	ppm	<b>&lt;1</b>	0	---	---
Silver	ppm	<b>&lt;1</b>	2	---	---
Manganese	ppm	<b>13</b>	5	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>224</b>	28	---	---
Magnesium	ppm	<b>28</b>	2	---	---
Zinc	ppm	<b>223</b>	166	---	---
Phosphorus	ppm	<b>1202</b>	1916	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>94</b>	21	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Bearing and/or bushing 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:** RIPTAM  
**Unique No:** 10990348  
**Signed:** Sean Felton  
**Report Date:** 24 Apr 2024



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## VOLVO GRAPHS

