



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342 176 - DROP BOX



**Sample No:** VCP437066  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP437066</b>	VCP301187	VCP271170	---
Sample Date	<b>22 Mar 2024</b>	28 Dec 2020	14 Apr 2020	---
Machine Hours	<b>8750</b>	5299	4225	---
Oil Hours	<b>0</b>	1000	2000	---
Oil Changed	<b>Changed</b>	Not Changd	Changed	---
Sample Status	<b>ATTENTION</b>	NORMAL	ATTENTION	---

### 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>48.1</b>	254	56.2	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>19</b>	5	16	---
Sodium	ppm	<b>8</b>	<1	8	---
Potassium	ppm	<b>&lt;1</b>	0	2	---

### Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Confirm oil type.



### WEAR METALS

Iron	ppm	<b>214</b>	38	36	---
Copper	ppm	<b>3</b>	<1	2	---
Lead	ppm	<b>&lt;1</b>	0	0	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>16</b>	<1	9	---
Chromium	ppm	<b>2</b>	<1	<1	---
Molybdenum	ppm	<b>3</b>	3	5	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	<1	0	---
Manganese	ppm	<b>5</b>	<1	1	---
Vanadium	ppm	<b>0</b>	0	<1	---



### ADDITIVES

Calcium	ppm	<b>33</b>	98	64	---
Magnesium	ppm	<b>0</b>	7	<1	---
Zinc	ppm	<b>115</b>	48	34	---
Phosphorus	ppm	<b>1822</b>	999	1293	---
Barium	ppm	<b>0</b>	0	<1	---
Boron	ppm	<b>89</b>	147	154	---

**Depot:** RIPTAM  
**Unique No:** 11044775  
**Signed:** Sean Felton  
**Report Date:** 24 May 2024



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## GRAPHS

