



# CONSTRUCTION EQUIPMENT

## 595224 VOLVO A40G 352787 - DROP BOX



**Sample No:** VCP416192  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 595224



### SAMPLE INFORMATION

Sample Number	<b>VCP416192</b>	VCP351672	VCP335398	---
Sample Date	<b>25 Aug 2023</b>	30 Jun 2022	20 Jan 2022	---
Machine Hours	<b>4246</b>	1962	940	---
Oil Hours	<b>4246</b>	1962	940	---
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	---
Sample Status	<b>ATTENTION</b>	ATTENTION	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>▲ 46.5</b>	▲ 261	▲ 50.1	---
-------------	-----	---------------	-------	--------	-----



### CONTAMINATION

Silicon	ppm	<b>■ 34</b>	■ 2	■ 6	---
Sodium	ppm	<b>■ 8</b>	■ 0	■ 3	---
Potassium	ppm	<b>■ &lt;1</b>	■ <1	■ 4	---



### WEAR METALS

Iron	ppm	<b>■ 166</b>	■ 50	■ 434	---
Copper	ppm	<b>■ 6</b>	■ <1	■ 3	---
Lead	ppm	<b>■ 0</b>	■ <1	■ <1	---
Tin	ppm	<b>■ &lt;1</b>	■ 0	■ <1	---
Aluminum	ppm	<b>■ 2</b>	■ <1	■ 2	---
Chromium	ppm	<b>■ 1</b>	■ <1	■ 7	---
Molybdenum	ppm	<b>■ 11</b>	■ 1	■ 9	---
Nickel	ppm	<b>■ &lt;1</b>	■ 0	■ 2	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>■ 4</b>	■ 2	■ 16	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>■ 47</b>	■ 31	■ 38	---
Magnesium	ppm	<b>■ &lt;1</b>	■ 4	■ 0	---
Zinc	ppm	<b>■ 123</b>	■ 67	■ 14	---
Phosphorus	ppm	<b>2266</b>	■ 846	■ 2765	---
Barium	ppm	<b>■ 0</b>	■ 2	■ 0	---
Boron	ppm	<b>■ 87</b>	■ 167	■ 283	---

### 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.

**Depot:** RIPTAM  
**Unique No:** 10669035  
**Signed:** Don Baldrige  
**Report Date:** 28 Sep 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

