



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 341163 - DROP BOX



**Sample No:** VCP441198  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP441198</b>	VCP420026	VCP280926	---
Sample Date	<b>08 May 2024</b>	17 Nov 2023	18 Jul 2020	---
Machine Hours	<b>10842</b>	9855	6280	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	---

**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
 FORT MYERS, FL  
 US 33905  
 Contact: TODD LARK  
 tlark@altaequipfl.com  
 T:  
 F: (239)481-3302



### OIL CONDITION

Visc @ 40°C	cSt	<b>107</b>	107	153	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>10</b>	9	12	---
Sodium	ppm	<b>1</b>	0	2	---
Potassium	ppm	<b>0</b>	2	3	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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>44</b>	34	76	---
Copper	ppm	<b>6</b>	4	3	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>5</b>	3	12	---
Chromium	ppm	<b>&lt;1</b>	<1	1	---
Molybdenum	ppm	<b>16</b>	17	2	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>2</b>	<1	2	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>244</b>	264	95	---
Magnesium	ppm	<b>113</b>	116	20	---
Zinc	ppm	<b>198</b>	205	62	---
Phosphorus	ppm	<b>877</b>	809	1493	---
Barium	ppm	<b>0</b>	0	<1	---
Boron	ppm	<b>153</b>	155	153	---

**Depot:** VOLVO0090  
**Unique No:** 11023571  
**Signed:** Don Baldrige  
**Report Date:** 15 May 2024



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## GRAPHS

