



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342574 - DROP BOX



**Sample No:** VCP327687  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP327687</b>	VCP305221	VCP280323	---
Sample Date	<b>24 Sep 2021</b>	25 Feb 2021	13 Oct 2020	---
Machine Hours	<b>4288</b>	3528	2953	---
Oil Hours	<b>0</b>	500	3000	---
Oil Changed	<b>Changed</b>	Not Changd	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	---

### ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>115</b>	145	44.8	---
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### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<b>5</b>	2	40	---
Sodium	ppm	<b>2</b>	0	11	---
Potassium	ppm	<b>0</b>	<1	1	---

### 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. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>32</b>	25	110	---
Copper	ppm	<b>2</b>	<1	12	---
Lead	ppm	<b>&lt;1</b>	<1	<1	---
Tin	ppm	<b>0</b>	<1	<1	---
Aluminum	ppm	<b>15</b>	0	▲ 41	---
Chromium	ppm	<b>&lt;1</b>	<1	2	---
Molybdenum	ppm	<b>4</b>	<1	8	---
Nickel	ppm	<b>1</b>	<1	<1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>&lt;1</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	<1	4	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>5</b>	49	38	---
Magnesium	ppm	<b>0</b>	0	3	---
Zinc	ppm	<b>9</b>	10	109	---
Phosphorus	ppm	<b>588</b>	1033	2143	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>123</b>	196	158	---

**Depot:** VOLV00142  
**Unique No:** 9673922  
**Signed:** Don Baldrige  
**Report Date:** 28 Sep 2021



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## GRAPHS

