



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342583 - DROP BOX



**Sample No:** VCP0007888  
**Oil Type:** GEAR OIL SAE 90W140  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0007888</b>	VCP313748	---	---
Sample Date	<b>02 May 2024</b>	19 May 2021	---	---
Machine Hours	<b>6881</b>	3820	---	---
Oil Hours	<b>6881</b>	0	---	---
Oil Changed	<b>N/A</b>	Not Changd	---	---
Sample Status	<b>NORMAL</b>	ABNORMAL	---	---

**ALTA EQUIPMENT COMPANY**  
 8750 PHILIPS HWY  
 JACKSONVILLE, FL  
 US 32256  
 Contact: TECHNICIAN ACCOUNT  
 catherine.anastasio@wearcheck.com  
 T:  
 F: (904)737-1260



### OIL CONDITION

Visc @ 40°C	cSt	<span style="color: green;">■</span> <b>325</b>	<span style="color: orange;">●</span> 44.7	---	---
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### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	<span style="color: green;">■</span> <b>1</b>	<span style="color: green;">■</span> 33	---	---
Sodium	ppm	<span style="color: green;">■</span> <b>1</b>	<span style="color: green;">■</span> 12	---	---
Potassium	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> 4	---	---



### WEAR METALS

Iron	ppm	<span style="color: green;">■</span> <b>4</b>	<span style="color: orange;">▲</span> 521	---	---
Copper	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> 31	---	---
Lead	ppm	<span style="color: green;">■</span> <b>1</b>	<span style="color: green;">■</span> <1	---	---
Tin	ppm	<span style="color: green;">■</span> <b>2</b>	<span style="color: green;">■</span> <1	---	---
Aluminum	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> 12	---	---
Chromium	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> 3	---	---
Molybdenum	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> 7	---	---
Nickel	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> 3	---	---
Titanium	ppm	<b>&lt;1</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> 8	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<span style="color: green;">■</span> <b>67</b>	<span style="color: green;">■</span> 43	---	---
Magnesium	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 2	---	---
Zinc	ppm	<span style="color: green;">■</span> <b>29</b>	<span style="color: green;">■</span> 83	---	---
Phosphorus	ppm	<span style="color: green;">■</span> <b>1039</b>	<span style="color: green;">■</span> 1980	---	---
Barium	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 0	---	---
Boron	ppm	<span style="color: green;">■</span> <b>174</b>	<span style="color: green;">■</span> 119	---	---

### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 90W140. Please confirm.

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.

**Depot:** VOLVO0092  
**Unique No:** 11016413  
**Signed:** Wes Davis  
**Report Date:** 07 May 2024



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## GRAPHS

