



# CONSTRUCTION EQUIPMENT

## 607508 PRIMERIS VOLVO A40G 352491 - FRONT AXLE



**Sample No:** VCP414736  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 607508 PRIMERIS



### SAMPLE INFORMATION

Sample Number	<b>VCP414736</b>	VCP398026	VCP364297	VCP329329
Sample Date	<b>22 Sep 2023</b>	25 Apr 2023	15 Aug 2022	14 Sep 2021
Machine Hours	<b>4299</b>	3617	2635	1219
Oil Hours	<b>3299</b>	3000	500	1500
Oil Changed	<b>Changed</b>	N/A	Not Changd	Not Changd
Sample Status	<b>ATTENTION</b>	ATTENTION	ATTENTION	ATTENTION

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: KENNY HANEY  
 khaney@flaglerce.com  
 T: (813)630-0077  
 F: (813)630-2233



### OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 52.0</b>	▲ 52.0	▲ 52.2	▲ 52.2
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### CONTAMINATION

Silicon	ppm	<b>■ 6</b>	■ 5	■ 5	■ 4
Sodium	ppm	<b>■ 0</b>	■ 0	■ 2	■ 2
Potassium	ppm	<b>■ 3</b>	■ 4	■ 3	■ 2



### WEAR METALS

Iron	ppm	<b>■ 380</b>	■ 415	■ 239	■ 253
Copper	ppm	<b>■ 7</b>	■ 6	■ 5	■ 4
Lead	ppm	<b>■ &lt;1</b>	■ 0	■ 0	■ 0
Tin	ppm	<b>■ 0</b>	■ 0	■ 0	■ <1
Aluminum	ppm	<b>■ 2</b>	■ 0	■ 1	■ <1
Chromium	ppm	<b>■ 4</b>	■ 5	■ 3	■ 4
Molybdenum	ppm	<b>■ 5</b>	■ 7	■ 6	■ 6
Nickel	ppm	<b>■ 2</b>	■ 1	■ 2	■ <1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	1
Manganese	ppm	<b>■ 15</b>	■ 17	■ 13	■ 14
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>■ 56</b>	■ 33	■ 32	■ 49
Magnesium	ppm	<b>■ 4</b>	■ 2	■ 8	■ 2
Zinc	ppm	<b>■ 22</b>	■ 24	■ 26	■ 28
Phosphorus	ppm	<b>■ 2197</b>	■ 2363	2466	2437
Barium	ppm	<b>■ 0</b>	■ 0	■ 0	■ 0
Boron	ppm	<b>■ 96</b>	■ 88	■ 61	■ 178

### Diagnosis

No corrective action is recommended at this time. Oil and filter 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:** VOLVO0093  
**Unique No:** 10709608  
**Signed:** Sean Felton  
**Report Date:** 25 Oct 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

