



# CONSTRUCTION EQUIPMENT

567073 APTIM VOLVO A35G 340232 - BOGIE/CENTER AXLE



**Sample No:** VCP418274  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 567073 APTIM



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: JOHN FARDELLA  
 JFARDELLA@ALTAEQUIPFL.COM  
 T: (813)630-0077  
 F: (813)630-2233



## SAMPLE INFORMATION

Sample Number	<b>VCP418274</b>	VCP400053	VCP373156	---
Sample Date	<b>23 Jun 2023</b>	16 Mar 2023	26 May 2022	---
Machine Hours	<b>7810</b>	7309	6196	---
Oil Hours	<b>4000</b>	3309	2000	---
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	---
Sample Status	<b>ATTENTION</b>	ATTENTION	NORMAL	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 51.6</b>	▲ 51.6	■ 51.7	---
-------------	-----	---------------	--------	--------	-----



## CONTAMINATION

Silicon	ppm	■ <b>4</b>	■ 5	■ 6	---
Sodium	ppm	■ <b>3</b>	■ 3	■ 2	---
Potassium	ppm	■ <b>0</b>	■ 0	■ 1	---



## WEAR METALS

Iron	ppm	■ <b>507</b>	■ 485	■ 590	---
Copper	ppm	■ <b>16</b>	■ 12	■ 5	---
Lead	ppm	■ <b>0</b>	■ 0	■ <1	---
Tin	ppm	■ <b>0</b>	■ 0	■ 0	---
Aluminum	ppm	■ <b>&lt;1</b>	■ <1	■ <1	---
Chromium	ppm	■ <b>7</b>	■ 6	■ 8	---
Molybdenum	ppm	■ <b>6</b>	■ 6	■ 7	---
Nickel	ppm	■ <b>2</b>	■ 2	■ 1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	■ <b>15</b>	■ 15	■ 17	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	■ <b>143</b>	■ 91	■ 28	---
Magnesium	ppm	■ <b>1</b>	■ 2	■ 1	---
Zinc	ppm	■ <b>71</b>	■ 71	■ 40	---
Phosphorus	ppm	■ <b>2438</b>	■ 2489	■ 2418	---
Barium	ppm	■ <b>0</b>	■ 0	■ 0	---
Boron	ppm	■ <b>89</b>	■ 139	■ 135	---

## 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:** VOLVO0093  
**Unique No:** 10573591  
**Signed:** Don Baldrige  
**Report Date:** 27 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

