



# CONSTRUCTION EQUIPMENT

463363-10 WATERFRONT VOLVO A40G 342355 - BOGIE/CENTER AXLE



**Sample No:** VCP454182  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 463363-10 WATERFRONT



## SAMPLE INFORMATION

Sample Number	<b>VCP454182</b>	VCP302597	VCP282149	---
Sample Date	<b>02 Jan 2024</b>	21 Jan 2021	03 Sep 2020	---
Machine Hours	<b>7884</b>	5098	4547	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>269</b>	118	51.6	---
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## CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<b>8</b>	2	4	---
Sodium	ppm	<b>&lt;1</b>	1	3	---
Potassium	ppm	<b>0</b>	0	0	---

## 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>96</b>	109	269	---
Copper	ppm	<b>&lt;1</b>	<1	3	---
Lead	ppm	<b>0</b>	3	0	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>&lt;1</b>	<1	0	---
Chromium	ppm	<b>1</b>	2	3	---
Molybdenum	ppm	<b>6</b>	1	1	---
Nickel	ppm	<b>0</b>	<1	1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>2</b>	4	11	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>98</b>	139	9	---
Magnesium	ppm	<b>31</b>	2	<1	---
Zinc	ppm	<b>73</b>	65	7	---
Phosphorus	ppm	<b>997</b>	976	2393	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>171</b>	150	196	---

**Depot:** VOLVO0093  
**Unique No:** 10845499  
**Signed:** Wes Davis  
**Report Date:** 24 Jan 2024



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## GRAPHS

