



# CONSTRUCTION EQUIPMENT

661511 PRIMORIS VOLVO A40G 352782 - BOGIE/CENTER AXLE



**Sample No:** VCP441650  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 661511 PRIMORIS



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## SAMPLE INFORMATION

Sample Number	<b>VCP441650</b>	VCP420211	VCP364276	---
Sample Date	<b>29 Jan 2024</b>	28 Apr 2023	15 Aug 2022	---
Machine Hours	<b>4045</b>	3514	2306	---
Oil Hours	<b>3000</b>	0	500	---
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	---
Sample Status	<b>NORMAL</b>	ATTENTION	ATTENTION	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>287</b>	293	296	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>43</b>	13	12	---
Sodium	ppm	<b>&lt;1</b>	<1	0	---
Potassium	ppm	<b>3</b>	2	2	---



## WEAR METALS

Iron	ppm	<b>308</b>	301	208	---
Copper	ppm	<b>4</b>	2	1	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>10</b>	3	3	---
Chromium	ppm	<b>4</b>	2	2	---
Molybdenum	ppm	<b>3</b>	3	3	---
Nickel	ppm	<b>2</b>	<1	<1	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>6</b>	5	4	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>105</b>	46	38	---
Magnesium	ppm	<b>21</b>	9	8	---
Zinc	ppm	<b>78</b>	37	43	---
Phosphorus	ppm	<b>1149</b>	1003	1079	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>174</b>	171	172	---

## 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.

**Depot:** VOLVO0093  
**Unique No:** 10901572  
**Signed:** Wes Davis  
**Report Date:** 29 Feb 2024



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## GRAPHS

