



# CONSTRUCTION EQUIPMENT

661511 PRIMORIS VOLVO A40G 352782 - DROP BOX



**Sample No:** VCP452452  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 661511 PRIMORIS



## SAMPLE INFORMATION

Sample Number	<b>VCP452452</b>	VCP411070	VCP364344	---
Sample Date	<b>29 Jan 2024</b>	28 Apr 2023	15 Aug 2022	---
Machine Hours	<b>4045</b>	3519	2306	---
Oil Hours	<b>4045</b>	0	500	---
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	---
Sample Status	<b>ABNORMAL</b>	ATTENTION	ATTENTION	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>46.5</b>	47.3	47.3	---
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## CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<b>34</b>	29	33	---
Sodium	ppm	<b>8</b>	6	6	---
Potassium	ppm	<b>5</b>	4	3	---



## WEAR METALS

Iron	ppm	<b>485</b>	252	156	---
Copper	ppm	<b>59</b>	29	27	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>1</b>	1	2	---
Chromium	ppm	<b>5</b>	2	1	---
Molybdenum	ppm	<b>19</b>	10	10	---
Nickel	ppm	<b>4</b>	2	<1	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>12</b>	8	4	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>51</b>	34	43	---
Magnesium	ppm	<b>6</b>	6	3	---
Zinc	ppm	<b>162</b>	143	97	---
Phosphorus	ppm	<b>1920</b>	2064	2211	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>62</b>	97	66	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other 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:** 10901566  
**Signed:** Sean Felton  
**Report Date:** 01 Mar 2024



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## GRAPHS

