



# CONSTRUCTION EQUIPMENT

## 701286 PRIMORIS VOLVO A40G 352491 - FRONT AXLE



**Sample No:** VCP444768  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 701286 PRIMORIS



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### SAMPLE INFORMATION

Sample Number	<b>VCP444768</b>	VCP414736	VCP398026	VCP364297
Sample Date	<b>18 Apr 2024</b>	22 Sep 2023	25 Apr 2023	15 Aug 2022
Machine Hours	<b>5157</b>	4299	3617	2635
Oil Hours	<b>1000</b>	3299	3000	500
Oil Changed	<b>Not Changd</b>	Changed	N/A	Not Changd
Sample Status	<b>NORMAL</b>	ATTENTION	ATTENTION	ATTENTION



### OIL CONDITION

Visc @ 40°C	cSt	<b>277</b>	52.0	52.0	52.2
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	6	5	5
Sodium	ppm	<b>1</b>	0	0	2
Potassium	ppm	<b>&lt;1</b>	3	4	3



### WEAR METALS

Iron	ppm	<b>100</b>	380	415	239
Copper	ppm	<b>&lt;1</b>	7	6	5
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	2	0	1
Chromium	ppm	<b>1</b>	4	5	3
Molybdenum	ppm	<b>7</b>	5	7	6
Nickel	ppm	<b>&lt;1</b>	2	1	2
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>6</b>	15	17	13
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>234</b>	56	33	32
Magnesium	ppm	<b>68</b>	4	2	8
Zinc	ppm	<b>176</b>	22	24	26
Phosphorus	ppm	<b>1130</b>	2197	2363	2466
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>209</b>	96	88	61

### 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:** 11047526  
**Signed:** Wes Davis  
**Report Date:** 28 May 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

