



# CONSTRUCTION EQUIPMENT

701286 PRIMORIS VOLVO A40G 352491 - DROP BOX



**Sample No:** VCP444024  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 701286 PRIMORIS



## SAMPLE INFORMATION

Sample Number	<b>VCP444024</b>	VCP426335	VCP424811	VCP364292
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>	4299	3617	500
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	ATTENTION	ABNORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>216</b>	47.8	52.3	47.8
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>17</b>	60	8	51
Sodium	ppm	<b>2</b>	5	0	6
Potassium	ppm	<b>&lt;1</b>	2	4	2

## 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>106</b>	411	337	221
Copper	ppm	<b>6</b>	32	6	26
Lead	ppm	<b>&lt;1</b>	<1	0	<1
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	2	0	<1
Chromium	ppm	<b>&lt;1</b>	4	3	2
Molybdenum	ppm	<b>16</b>	20	6	12
Nickel	ppm	<b>&lt;1</b>	3	1	<1
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	8	14	5
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>202</b>	27	22	34
Magnesium	ppm	<b>61</b>	5	2	2
Zinc	ppm	<b>176</b>	192	33	123
Phosphorus	ppm	<b>1259</b>	2150	2304	2084
Barium	ppm	<b>0</b>	10	0	0
Boron	ppm	<b>172</b>	107	132	82

**Depot:** VOLVO0093  
**Unique No:** 11047528  
**Signed:** Sean Felton  
**Report Date:** 29 May 2024



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## GRAPHS

