



# CONSTRUCTION EQUIPMENT

701295 PRIMORIS VOLVO A40G 352509 - DROP BOX



**Sample No:** VCP438831  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 701295 PRIMORIS



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: KENNY HANEY  
 khaney@flaglerce.com  
 T: (813)630-0077  
 F: (813)630-2233



## SAMPLE INFORMATION

Sample Number	<b>VCP438831</b>	VCP441544	VCP393806	VCP365213
Sample Date	<b>12 Apr 2024</b>	16 Nov 2023	25 Apr 2023	16 Aug 2022
Machine Hours	<b>6123</b>	5500	4282	3145
Oil Hours	<b>2000</b>	1500	4282	500
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	ABNORMAL



## OIL CONDITION

Visc @ 40°C	cSt	<b>214</b>	234	48.4	48.4
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>18</b>	10	33	34
Sodium	ppm	<b>2</b>	<1	6	10
Potassium	ppm	<b>0</b>	1	2	2



## WEAR METALS

Iron	ppm	<b>112</b>	107	200	153
Copper	ppm	<b>6</b>	6	37	33
Lead	ppm	<b>&lt;1</b>	0	<1	<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>	1	2	1
Molybdenum	ppm	<b>16</b>	10	11	8
Nickel	ppm	<b>1</b>	<1	1	2
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	6	6
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>199</b>	34	41	75
Magnesium	ppm	<b>61</b>	5	4	5
Zinc	ppm	<b>176</b>	14	125	161
Phosphorus	ppm	<b>1262</b>	1293	2054	2267
Barium	ppm	<b>0</b>	3	0	0
Boron	ppm	<b>169</b>	60	106	98

## 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:** 11047532  
**Signed:** Sean Felton  
**Report Date:** 29 May 2024



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## GRAPHS

