



# CONSTRUCTION EQUIPMENT

593950 C&C ALJON 600 30124 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP417300  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 593950 C&C



## SAMPLE INFORMATION

Sample Number	<b>VCP417300</b>	VCP413196	VCP398670	VCP398681
Sample Date	<b>10 Aug 2023</b>	14 Jun 2023	19 Apr 2023	15 Feb 2023
Machine Hours	<b>3205</b>	2982	2673	600
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
 9601 BOGGY CREEK RD  
 ORLANDO, FL  
 US 32824  
 Contact: Robert LaPlante  
 robert.laplante@altg.com  
 T: (407)508-9736  
 F: (407)659-8720



## OIL CONDITION

Visc @ 40°C	cSt	<b>278</b>	278	279	284
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## CONTAMINATION

Silicon	ppm	<b>2</b>	2	2	2
Sodium	ppm	<b>0</b>	<1	<1	<1
Potassium	ppm	<b>&lt;1</b>	0	0	0

## 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>136</b>	106	75	46
Copper	ppm	<b>3</b>	4	3	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	0	0
Chromium	ppm	<b>1</b>	1	<1	<1
Molybdenum	ppm	<b>5</b>	6	5	5
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	1	1	<1
Vanadium	ppm	<b>0</b>	<1	0	0



## ADDITIVES

Calcium	ppm	<b>92</b>	143	92	95
Magnesium	ppm	<b>22</b>	25	26	24
Zinc	ppm	<b>54</b>	80	60	59
Phosphorus	ppm	<b>996</b>	1060	982	919
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>167</b>	202	192	210

**Depot:** VOLVO0096  
**Unique No:** 10605055  
**Signed:** Wes Davis  
**Report Date:** 16 Aug 2023



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## GRAPHS

