



# CONSTRUCTION EQUIPMENT

634065 VOLVO A45G 352411 - DROP BOX



**Sample No:** VCP404123  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 634065



## SAMPLE INFORMATION

Sample Number	<b>VCP404123</b>	VCP427061	VCP377158	VCP317686
Sample Date	<b>22 Nov 2023</b>	19 Jun 2023	30 Apr 2022	17 Jul 2021
Machine Hours	<b>6275</b>	5591	3478	2213
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

**ORANGE COUNTY SOLID WASTE**  
 5901 YOUNG PINE ROAD  
 ORLANDO, FL  
 US 32829  
 Contact: MICHAEL BEEBE  
 michael.beebe@ocfl.net  
 T: (407)836-6652  
 F: (407)836-6650



## OIL CONDITION

Visc @ 40°C	cSt	<b>226</b>	59.7	45.3	46.9
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>9</b>	41	51	55
Sodium	ppm	<b>2</b>	7	10	10
Potassium	ppm	<b>1</b>	6	7	7

## 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>356</b>	955	812	160
Copper	ppm	<b>5</b>	13	17	15
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>&lt;1</b>	<1	2	0
Chromium	ppm	<b>3</b>	7	6	2
Molybdenum	ppm	<b>5</b>	6	5	4
Nickel	ppm	<b>2</b>	3	3	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>5</b>	15	16	6
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>63</b>	66	63	56
Magnesium	ppm	<b>13</b>	7	5	6
Zinc	ppm	<b>83</b>	194	233	199
Phosphorus	ppm	<b>1160</b>	1713	2101	2123
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>93</b>	65	108	155

**Depot:** ORAORL  
**Unique No:** 10765312  
**Signed:** Wes Davis  
**Report Date:** 30 Nov 2023



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## GRAPHS

