



# CONSTRUCTION EQUIPMENT

297628 VOLVO A40G 352463 - FRONT AXLE



**Sample No:** VCP427038  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 297628



## SAMPLE INFORMATION

Sample Number	<b>VCP427038</b>	VCP382347	VCP386424	VCP363283
Sample Date	<b>28 Jun 2023</b>	21 Mar 2023	29 Sep 2022	15 Apr 2022
Machine Hours	<b>5888</b>	5136	4268	2875
Oil Hours	<b>0</b>	0	0	2875
Oil Changed	<b>Not Chngd</b>	Not Chngd	N/A	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**SENECA MEADOWS**  
 1786 SALCMAN ROAD  
 WATERLOO, NY  
 US  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>141</b>	140	51.8	51.6
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## CONTAMINATION

Silicon	ppm	<b>3</b>	5	4	5
Sodium	ppm	<b>&lt;1</b>	<1	2	4
Potassium	ppm	<b>1</b>	<1	3	3

## WEAR METALS

Iron	ppm	<b>177</b>	258	488	582
Copper	ppm	<b>1</b>	<1	2	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>1</b>	<1	2	1
Chromium	ppm	<b>3</b>	4	7	9
Molybdenum	ppm	<b>4</b>	5	9	11
Nickel	ppm	<b>&lt;1</b>	1	2	2
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>9</b>	<1	0	<1
Manganese	ppm	<b>9</b>	11	19	22
Vanadium	ppm	<b>0</b>	0	<1	<1

## ADDITIVES

Calcium	ppm	<b>30</b>	11	26	35
Magnesium	ppm	<b>&lt;1</b>	1	0	<1
Zinc	ppm	<b>14</b>	0	13	17
Phosphorus	ppm	<b>1115</b>	983	2370	2477
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>233</b>	210	255	245

## 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:** SENWAT  
**Unique No:** 10546435  
**Signed:** Wes Davis  
**Report Date:** 06 Jul 2023



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## GRAPHS

