



# CONSTRUCTION EQUIPMENT

SW0071894 VOLVO A30G 753219 - FRONT AXLE



**Sample No:** VCP434681  
**Oil Type:** COWIN 80W90  
**Job No:** SW0071894



## SAMPLE INFORMATION

Sample Number	<b>VCP434681</b>	VCP434683	VCP412648	VCP423670
Sample Date	<b>09 May 2024</b>	23 Jan 2024	13 Sep 2023	12 Jun 2023
Machine Hours	<b>2078</b>	1500	1000	500
Oil Hours	<b>0</b>	1500	1000	500
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

**SANTA ROSA COUNTY LANDFILLS**  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>85.5</b>	85.1	86.7	87.4
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	5	10	5
Sodium	ppm	<b>2</b>	1	2	2
Potassium	ppm	<b>2</b>	4	3	4

## 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>298</b>	653	935	274
Copper	ppm	<b>47</b>	43	37	24
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>2</b>	2	2	1
Aluminum	ppm	<b>&lt;1</b>	<1	<1	0
Chromium	ppm	<b>5</b>	10	16	5
Molybdenum	ppm	<b>2</b>	4	5	3
Nickel	ppm	<b>2</b>	5	8	3
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>8</b>	14	19	8
Vanadium	ppm	<b>0</b>	0	0	<1



## ADDITIVES

Calcium	ppm	<b>887</b>	860	944	975
Magnesium	ppm	<b>2</b>	4	7	5
Zinc	ppm	<b>384</b>	382	407	425
Phosphorus	ppm	<b>1330</b>	1381	1375	1346
Barium	ppm	<b>2</b>	6	6	5
Boron	ppm	<b>230</b>	232	234	250

**Depot:** SANMILFL  
**Unique No:** 11023574  
**Signed:** Wes Davis  
**Report Date:** 14 May 2024



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## GRAPHS

