



# CONSTRUCTION EQUIPMENT

SWO-072452 VOLVO A30G 752677 - REAR AXLE



**Sample No:** VCP440072  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-072452



## SAMPLE INFORMATION

Sample Number	<b>VCP440072</b>	VCP438618	VCP435996	VCP433847
Sample Date	<b>05 Jun 2024</b>	07 Mar 2024	16 Nov 2023	18 Sep 2023
Machine Hours	<b>3335</b>	2834	2403	1919
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>136</b>	131	131	91.5
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	7	6	10
Sodium	ppm	<b>6</b>	4	2	2
Potassium	ppm	<b>7</b>	3	6	5

## 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>69</b>	363	261	778
Copper	ppm	<b>6</b>	9	8	25
Lead	ppm	<b>4</b>	0	0	0
Tin	ppm	<b>1</b>	<1	0	<1
Aluminum	ppm	<b>&lt;1</b>	<1	1	1
Chromium	ppm	<b>1</b>	6	4	12
Molybdenum	ppm	<b>8</b>	12	11	37
Nickel	ppm	<b>0</b>	1	2	5
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>3</b>	10	8	23
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>549</b>	1271	1317	770
Magnesium	ppm	<b>33</b>	11	28	2
Zinc	ppm	<b>293</b>	551	590	317
Phosphorus	ppm	<b>864</b>	1084	1115	1320
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>100</b>	114	130	267

**Depot:** SAIBIR  
**Unique No:** 11074388  
**Signed:** Don Baldrige  
**Report Date:** 13 Jun 2024



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## VOLVO GRAPHS

