



# CONSTRUCTION EQUIPMENT

SWO-066004 VOLVO A45G 352769 - REAR AXLE



**Sample No:** VCP433848  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** SWO-066004



## SAMPLE INFORMATION

Sample Number	<b>VCP433848</b>	VCP419127	VCP402395	VCP388321
Sample Date	<b>20 Sep 2023</b>	21 Jun 2023	02 Mar 2023	05 Dec 2022
Machine Hours	<b>4400</b>	3875	3355	2886
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>302</b>	151	146	149
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## CONTAMINATION

Silicon	ppm	<b>4</b>	8	4	5
Sodium	ppm	<b>0</b>	9	5	7
Potassium	ppm	<b>&lt;1</b>	4	4	2



## WEAR METALS

Iron	ppm	<b>11</b>	176	168	141
Copper	ppm	<b>0</b>	2	0	<1
Lead	ppm	<b>0</b>	<1	0	<1
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>&lt;1</b>	4	0	2
Chromium	ppm	<b>&lt;1</b>	3	1	3
Molybdenum	ppm	<b>3</b>	5	3	4
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	8	6	6
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>148</b>	2586	2678	2653
Magnesium	ppm	<b>18</b>	31	23	28
Zinc	ppm	<b>89</b>	1129	1128	978
Phosphorus	ppm	<b>1001</b>	1079	1086	991
Barium	ppm	<b>0</b>	0	6	<1
Boron	ppm	<b>172</b>	38	33	37

## 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:** SAIBIR  
**Unique No:** 10661347  
**Signed:** Don Baldrige  
**Report Date:** 26 Sep 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

