



# CONSTRUCTION EQUIPMENT

## SWO-070876 VOLVO A30G 742048 - BOGIE/CENTER AXLE



**Sample No:** VCP436298  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** SWO-070876



### SAMPLE INFORMATION

Sample Number	<b>VCP436298</b>	VCP414178	VCP380972	VCP372891
Sample Date	<b>01 Apr 2024</b>	31 Jul 2023	10 Jan 2023	10 Jul 2022
Machine Hours	<b>9280</b>	8911	8548	8263
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### WHITAKER CONTRACTING

692 CONVICT CAMP RD  
 GUNTERVILLE, AL  
 US 35976  
 Contact: BROTHER WHITAKER  
 BrotherWhitaker@whitaker-contracting.com  
 T: (256)298-3905  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>241</b>	245	211	245
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	4	6	2
Sodium	ppm	<b>1</b>	0	2	0
Potassium	ppm	<b>2</b>	<1	0	0



### WEAR METALS

Iron	ppm	<b>120</b>	85	62	17
Copper	ppm	<b>9</b>	5	2	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>1</b>	<1	0	<1
Chromium	ppm	<b>2</b>	2	1	<1
Molybdenum	ppm	<b>5</b>	5	6	4
Nickel	ppm	<b>1</b>	<1	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	1	1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>137</b>	106	223	124
Magnesium	ppm	<b>22</b>	22	36	18
Zinc	ppm	<b>88</b>	68	108	58
Phosphorus	ppm	<b>958</b>	968	909	738
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>168</b>	227	144	153

### 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:** WHIGUN  
**Unique No:** 10963663  
**Signed:** Wes Davis  
**Report Date:** 05 Apr 2024



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## GRAPHS

