



# CONSTRUCTION EQUIPMENT

443773 VOLVO A40G 342315 - REAR AXLE



**Sample No:** VCP441076  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** 443773



## SAMPLE INFORMATION

Sample Number	<b>VCP441076</b>	VCP332230	VCP301944	VCP234143
Sample Date	<b>01 Feb 2024</b>	15 Dec 2021	26 Mar 2021	04 Feb 2019
Machine Hours	<b>7233</b>	3976	3215	1389
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	N/A	Not Changd	Changed
Sample Status	<b>NORMAL</b>	ATTENTION	ABNORMAL	ABNORMAL

**ALTA EQUIPMENT COMPANY**  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>124</b>	128	130	53.4
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>1</b>	4	2	5
Sodium	ppm	<b>0</b>	<1	<1	7
Potassium	ppm	<b>1</b>	0	3	6



## WEAR METALS

Iron	ppm	<b>160</b>	185	41	293
Copper	ppm	<b>0</b>	<1	<1	5
Lead	ppm	<b>0</b>	0	2	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	<1	0
Chromium	ppm	<b>2</b>	3	<1	4
Molybdenum	ppm	<b>6</b>	8	5	5
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>3</b>	3	1	11
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>126</b>	151	162	11
Magnesium	ppm	<b>31</b>	42	37	0
Zinc	ppm	<b>86</b>	83	72	6
Phosphorus	ppm	<b>991</b>	993	850	2211
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>171</b>	190	164	201

## 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:** VOLVO0090  
**Unique No:** 10871383  
**Signed:** Wes Davis  
**Report Date:** 09 Feb 2024



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## GRAPHS

