



# CONSTRUCTION EQUIPMENT

## 24228 VOLVO A40G 352835 - BOGIE/CENTER AXLE



**Sample No:** VCP434618  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 24228



### SAMPLE INFORMATION

Sample Number	<b>VCP434618</b>	VCP339111	---	---
Sample Date	<b>20 Oct 2023</b>	24 Feb 2022	---	---
Machine Hours	<b>4008</b>	984	---	---
Oil Hours	<b>1000</b>	0	---	---
Oil Changed	<b>N/A</b>	N/A	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

**218 - ASCENDUM MACHINERY INC - N. CHARLESTON**  
 7235 CROSS COUNTRY RD.  
 NORTH CHARLESTON, SC  
 US 29418  
 Contact: MATT MITCHAM  
 matt.mitcham@ascendummachinery.com  
 T:  
 F: (843)414-1129



### OIL CONDITION

Visc @ 40°C	cSt	<b>48.8</b>	50.2	---	---
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### CONTAMINATION

Silicon	ppm	<b>2</b>	4	---	---
Sodium	ppm	<b>&lt;1</b>	2	---	---
Potassium	ppm	<b>1</b>	5	---	---



### WEAR METALS

Iron	ppm	<b>99</b>	290	---	---
Copper	ppm	<b>&lt;1</b>	1	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>0</b>	3	---	---
Chromium	ppm	<b>1</b>	4	---	---
Molybdenum	ppm	<b>2</b>	4	---	---
Nickel	ppm	<b>&lt;1</b>	0	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>4</b>	13	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>47</b>	27	---	---
Magnesium	ppm	<b>9</b>	3	---	---
Zinc	ppm	<b>51</b>	9	---	---
Phosphorus	ppm	<b>2209</b>	2570	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>230</b>	262	---	---

### 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:** VOLVO3387  
**Unique No:** 10712185  
**Signed:** Don Baldrige  
**Report Date:** 27 Oct 2023



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## GRAPHS

