



# CONSTRUCTION EQUIPMENT

645826 ATLAS ORGANIC VOLVO A25G 740339 - BOGIE/CENTER AXLE



**Sample No:** VCP431589  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 645826 ATLAS ORGANIC



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## SAMPLE INFORMATION

Sample Number	<b>VCP431589</b>	VCP415536	VCP295936	---
Sample Date	<b>06 Dec 2023</b>	05 Jul 2023	04 Dec 2020	---
Machine Hours	<b>10637</b>	10070	4926	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	---
Sample Status	<b>ATTENTION</b>	NORMAL	ABNORMAL	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 31.00</b>	■ 171	59.8	---
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## CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ 7	■ 4	▲ 68	---
Sodium	ppm	■ 0	■ 2	■ 7	---
Potassium	ppm	■ 0	■ 2	■ 7	---



## WEAR METALS

Iron	ppm	■ 50	■ 185	■ 549	---
Copper	ppm	■ 3	■ 30	■ 62	---
Lead	ppm	■ 0	■ 0	■ 1	---
Tin	ppm	■ 0	■ 2	■ 0	---
Aluminum	ppm	■ 0	■ 0	■ 5	---
Chromium	ppm	■ <1	■ 3	■ 6	---
Molybdenum	ppm	■ 6	■ 9	1	---
Nickel	ppm	■ 0	■ 1	■ 4	---
Titanium	ppm	<1	0	2	---
Silver	ppm	0	0	<1	---
Manganese	ppm	■ <1	■ 5	5	---
Vanadium	ppm	<1	0	0	---



## ADDITIVES

Calcium	ppm	■ 82	■ 155	265	---
Magnesium	ppm	■ 0	■ 42	10	---
Zinc	ppm	■ 187	■ 99	92	---
Phosphorus	ppm	▲ 530	■ 1361	1941	---
Barium	ppm	■ 0	■ 0	<1	---
Boron	ppm	■ 61	■ 230	226	---

## Diagnosis

No corrective action is recommended at this time. 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 oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

**Depot:** VOLVO0093  
**Unique No:** 10780751  
**Signed:** Jonathan Hester  
**Report Date:** 19 Dec 2023



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## GRAPHS

