



# CONSTRUCTION EQUIPMENT

## 645826 ATLAS ORGANIC VOLVO A25G 740339 - REAR AXLE



**Sample No:** VCP443269  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 645826 ATLAS ORGANIC



### SAMPLE INFORMATION

Sample Number	<b>VCP443269</b>	VCP415538	VCP295932	---
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 Changd</b>	Changed	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>259</b>	174	57.6	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>2</b>	20	53	---
Sodium	ppm	<b>&lt;1</b>	2	6	---
Potassium	ppm	<b>0</b>	3	5	---

### 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.



### WEAR METALS

Iron	ppm	<b>82</b>	148	460	---
Copper	ppm	<b>27</b>	24	58	---
Lead	ppm	<b>0</b>	0	2	---
Tin	ppm	<b>0</b>	1	0	---
Aluminum	ppm	<b>0</b>	<1	4	---
Chromium	ppm	<b>1</b>	2	5	---
Molybdenum	ppm	<b>4</b>	7	<1	---
Nickel	ppm	<b>0</b>	<1	3	---
Titanium	ppm	<b>&lt;1</b>	<1	1	---
Silver	ppm	<b>0</b>	0	2	---
Manganese	ppm	<b>2</b>	2	4	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>172</b>	293	257	---
Magnesium	ppm	<b>0</b>	39	12	---
Zinc	ppm	<b>62</b>	152	92	---
Phosphorus	ppm	<b>1047</b>	1262	1930	---
Barium	ppm	<b>0</b>	0	<1	---
Boron	ppm	<b>247</b>	195	222	---

**Depot:** VOLVO0093  
**Unique No:** 10780748  
**Signed:** Wes Davis  
**Report Date:** 12 Dec 2023



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## GRAPHS

