



# CONSTRUCTION EQUIPMENT

## 645826 ATLAS ORGANIC VOLVO A25G 740339 - REAR AXLE



**Sample No:** VCP443268  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 645826 ATLAS ORGANIC



### SAMPLE INFORMATION

Sample Number	<b>VCP443268</b>	VCP443269	VCP415538	VCP295932
Sample Date	<b>06 Dec 2023</b>	06 Dec 2023	05 Jul 2023	04 Dec 2020
Machine Hours	<b>10637</b>	10637	10070	4926
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>267</b>	259	174	57.6
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	2	20	<b>53</b>
Sodium	ppm	<b>&lt;1</b>	<1	2	6
Potassium	ppm	<b>0</b>	0	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>40</b>	82	148	460
Copper	ppm	<b>7</b>	27	24	58
Lead	ppm	<b>0</b>	0	0	2
Tin	ppm	<b>0</b>	0	1	0
Aluminum	ppm	<b>0</b>	0	<1	4
Chromium	ppm	<b>&lt;1</b>	1	2	5
Molybdenum	ppm	<b>3</b>	4	7	<1
Nickel	ppm	<b>0</b>	0	<1	3
Titanium	ppm	<b>&lt;1</b>	<1	<1	1
Silver	ppm	<b>0</b>	0	0	2
Manganese	ppm	<b>&lt;1</b>	2	2	4
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>128</b>	172	293	257
Magnesium	ppm	<b>0</b>	0	39	12
Zinc	ppm	<b>46</b>	62	152	92
Phosphorus	ppm	<b>1035</b>	1047	1262	1930
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>203</b>	247	195	222

**Depot:** VOLVO0093  
**Unique No:** 10780749  
**Signed:** Wes Davis  
**Report Date:** 12 Dec 2023



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## GRAPHS

