



# CONSTRUCTION EQUIPMENT

## 661347 BCSW VOLVO A40G 352381 - REAR AXLE



**Sample No:** VCP439121  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 661347 BCSW



### SAMPLE INFORMATION

Sample Number	<b>VCP439121</b>	VCP399692	VCP376913	VCP377411
Sample Date	<b>07 Feb 2024</b>	02 Mar 2023	15 Sep 2022	17 May 2022
Machine Hours	<b>7523</b>	5782	4951	4316
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>305</b>	306	304	282
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### CONTAMINATION

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

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>104</b>	74	63	69
Copper	ppm	<b>3</b>	1	<1	2
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	0	<1	<1
Chromium	ppm	<b>2</b>	1	1	1
Molybdenum	ppm	<b>4</b>	4	4	2
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	<1	0	<1
Manganese	ppm	<b>2</b>	3	1	4
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>102</b>	61	55	48
Magnesium	ppm	<b>20</b>	16	16	6
Zinc	ppm	<b>52</b>	33	43	41
Phosphorus	ppm	<b>1207</b>	856	933	1027
Barium	ppm	<b>12</b>	0	0	0
Boron	ppm	<b>196</b>	165	167	141

**Depot:** VOLVO0096  
**Unique No:** 10876582  
**Signed:** Jonathan Hester  
**Report Date:** 16 Feb 2024



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## GRAPHS

