



# CONSTRUCTION EQUIPMENT

661347 BCSW VOLVO A40G 352381 - DROP BOX



**Sample No:** VCP439122  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 661347 BCSW



## SAMPLE INFORMATION

Sample Number	VCP439122	VCP432304	VCP399701	VCP376916
Sample Date	07 Feb 2024	11 Dec 2023	02 Mar 2023	15 Sep 2022
Machine Hours	7523	7150	5782	4951
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	126	149	274	289
		█	█	█	█



## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	█ 33	█ 18	█ 14	█ 6
Sodium	ppm	█ 6	█ 0	█ <1	█ 1
Potassium	ppm	█ 13	█ 9	█ <1	█ 0

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Confirm oil type. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	█ 180	▲ 975	▲ 936	█ 116
Copper	ppm	█ 3	█ 5	█ 5	█ 2
Lead	ppm	█ 0	█ 0	█ <1	█ 0
Tin	ppm	█ 0	█ 0	█ 0	█ 0
Aluminum	ppm	█ <1	█ 1	█ <1	█ <1
Chromium	ppm	█ 4	█ 18	█ 11	█ 2
Molybdenum	ppm	█ 15	█ 13	█ 13	█ 10
Nickel	ppm	█ <1	█ 6	█ 3	█ <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	█ 3	█ 12	█ 8	█ 1
Vanadium	ppm	0	0	0	0



## ADDITIVES

Calcium	ppm	█ 232	█ 220	█ 49	█ 49
Magnesium	ppm	█ 36	█ 37	█ 14	█ 15
Zinc	ppm	█ 159	█ 131	37	47
Phosphorus	ppm	2011	█ 781	█ 842	█ 932
Barium	ppm	█ 0	█ 0	█ 0	█ 0
Boron	ppm	█ 178	█ 69	█ 79	█ 97

**Depot:** VOLVO0096  
**Unique No:** 10873866  
**Signed:** Don Baldrige  
**Report Date:** 13 Feb 2024



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## VOLVO GRAPHS

