



# CONSTRUCTION EQUIPMENT

## SWO-069193 VOLVO A60 A60H 340102 - FRONT AXLE



**Sample No:** VCP446745  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWO-069193



### SAMPLE INFORMATION

Sample Number	<b>VCP446745</b>	VCP432275	VCP404948	VCP419726
Sample Date	<b>01 Feb 2024</b>	28 Sep 2023	11 Jul 2023	30 Mar 2023
Machine Hours	<b>9767</b>	9302	8821	8292
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ATTENTION	ATTENTION	ATTENTION

**SAIIA CONSTRUCTION LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>250</b>	247	247	250.3
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	4	4	4
Sodium	ppm	<b>0</b>	2	<1	0
Potassium	ppm	<b>1</b>	<1	<1	<1

### 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>81</b>	76	63	66
Copper	ppm	<b>&lt;1</b>	<1	1	<1
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	<1	0
Chromium	ppm	<b>1</b>	2	2	2
Molybdenum	ppm	<b>&lt;1</b>	1	1	1
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	2	2	2
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>61</b>	61	63	61
Magnesium	ppm	<b>9</b>	6	7	7
Zinc	ppm	<b>20</b>	21	31	31
Phosphorus	ppm	<b>953</b>	1193	1090	1109
Barium	ppm	<b>6</b>	0	0	0
Boron	ppm	<b>204</b>	261	183	226

**Depot:** SAIBIR  
**Unique No:** 10863758  
**Signed:** Jonathan Hester  
**Report Date:** 08 Feb 2024



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## GRAPHS

