



# CONSTRUCTION EQUIPMENT

SWO-071489 VOLVO A60 A60H 340102 - BOGIE/CENTER AXLE



**Sample No:** VCP455471  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWO-071489



## SAMPLE INFORMATION

Sample Number	<b>VCP455471</b>	VCP446748	VCP432081	VCP414100
Sample Date	<b>25 Apr 2024</b>	01 Feb 2024	28 Sep 2023	11 Jul 2023
Machine Hours	<b>10205</b>	9767	9302	8821
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	ATTENTION

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<span style="color: green;">■</span> <b>264</b>	<span style="color: green;">■</span> 250	<span style="color: orange;">●</span> 245	<span style="color: orange;">●</span> 247
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<span style="color: green;">■</span> <b>2</b>	<span style="color: green;">■</span> 4	<span style="color: green;">■</span> 3	<span style="color: green;">■</span> 4
Sodium	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 2	<span style="color: green;">■</span> <1
Potassium	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 1	<span style="color: green;">■</span> <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	<span style="color: green;">■</span> <b>17</b>	<span style="color: green;">■</span> 81	<span style="color: green;">■</span> 74	<span style="color: green;">■</span> 74
Copper	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 4
Lead	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 0
Tin	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> <1
Aluminum	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 2	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> <1
Chromium	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 1	<span style="color: green;">■</span> 2
Molybdenum	ppm	<span style="color: green;">■</span> <b>10</b>	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 1
Nickel	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> <1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 2	<span style="color: green;">■</span> 2
Vanadium	ppm	<b>0</b>	0	<1	0



## ADDITIVES

Calcium	ppm	<span style="color: green;">■</span> <b>204</b>	<span style="color: green;">■</span> 73	<span style="color: green;">■</span> 70	<span style="color: green;">■</span> 127
Magnesium	ppm	<span style="color: green;">■</span> <b>47</b>	<span style="color: green;">■</span> 10	<span style="color: green;">■</span> 5	<span style="color: green;">■</span> 6
Zinc	ppm	<span style="color: green;">■</span> <b>136</b>	26	<span style="color: green;">■</span> 24	<span style="color: green;">■</span> 65
Phosphorus	ppm	<span style="color: green;">■</span> <b>1016</b>	<span style="color: green;">■</span> 946	<span style="color: green;">■</span> 1147	<span style="color: green;">■</span> 1209
Barium	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 5	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 0
Boron	ppm	<span style="color: green;">■</span> <b>162</b>	<span style="color: green;">■</span> 201	<span style="color: green;">■</span> 243	<span style="color: green;">■</span> 200

**Depot:** SAIBIR

**Unique No:** 11005561

**Signed:** Jonathan Hester

**Report Date:** 03 May 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

