



# CONSTRUCTION EQUIPMENT

SWO-070332 VOLVO A45G 352705 - REAR AXLE



**Sample No:** VCP452429  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWO-070332



## SAMPLE INFORMATION

Sample Number	<b>VCP452429</b>	VCP431026	VCP417947	VCP402780
Sample Date	<b>12 Mar 2024</b>	14 Nov 2023	09 Aug 2023	14 Apr 2023
Machine Hours	<b>5950</b>	5454	4958	4480
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	ATTENTION

**SAIIA CONSTRUCTION LLC**  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>318</b>	319	319	319
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## CONTAMINATION

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

## Diagnosis

Resample at the next service interval to monitor. All 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>27</b>	24	23	23
Copper	ppm	<b>0</b>	<1	<1	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	1	0	<1
Chromium	ppm	<b>0</b>	<1	0	0
Molybdenum	ppm	<b>0</b>	1	1	1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	<1	1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>111</b>	125	145	134
Magnesium	ppm	<b>16</b>	23	22	18
Zinc	ppm	<b>84</b>	90	102	81
Phosphorus	ppm	<b>923</b>	1107	1064	1232
Barium	ppm	<b>0</b>	0	2	0
Boron	ppm	<b>158</b>	196	194	232

**Depot:** SAIBIR  
**Unique No:** 10930007  
**Signed:** Don Baldrige  
**Report Date:** 20 Mar 2024



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## GRAPHS

