



# CONSTRUCTION EQUIPMENT

SWO-071570 VOLVO A40G 341023 - DROP BOX



**Sample No:** VCP453645  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-071570



## SAMPLE INFORMATION

Sample Number	<b>VCP453645</b>	VCP447533	VCP431091	VCP408970
Sample Date	<b>01 May 2024</b>	27 Dec 2023	20 Sep 2023	13 Jun 2023
Machine Hours	<b>9466</b>	8960	8472	7952
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</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>277</b>	286	280	147
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	0	6	3
Sodium	ppm	<b>&lt;1</b>	0	0	0
Potassium	ppm	<b>0</b>	0	<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>42</b>	19	25	85
Copper	ppm	<b>1</b>	0	<1	<1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>3</b>	2	2	4
Chromium	ppm	<b>&lt;1</b>	1	<1	1
Molybdenum	ppm	<b>3</b>	0	3	2
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0

## ADDITIVES

Calcium	ppm	<b>132</b>	65	66	23
Magnesium	ppm	<b>13</b>	13	15	3
Zinc	ppm	<b>84</b>	41	52	34
Phosphorus	ppm	<b>1103</b>	1121	1019	980
Barium	ppm	<b>0</b>	4	0	2
Boron	ppm	<b>179</b>	197	185	212

**Depot:** SAIBIR  
**Unique No:** 11020313  
**Signed:** Angela Borella  
**Report Date:** 13 May 2024



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## GRAPHS

