



# CONSTRUCTION EQUIPMENT

SWO-066190 VOLVO A60H 340039 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP428986  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** SWO-066190



## SAMPLE INFORMATION

Sample Number	<b>VCP428986</b>	VCP412654	VCP387918	VCP366691
Sample Date	<b>27 Sep 2023</b>	20 Jun 2023	29 Nov 2022	15 Aug 2022
Machine Hours	<b>8052</b>	7542	7061	6529
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	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>275</b>	276	273	273
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## CONTAMINATION

Silicon	ppm	<b>3</b>	3	2	2
Sodium	ppm	<b>&lt;1</b>	<1	0	0
Potassium	ppm	<b>1</b>	0	0	<1



## WEAR METALS

Iron	ppm	<b>24</b>	34	20	12
Copper	ppm	<b>&lt;1</b>	0	<1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>0</b>	0	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>2</b>	3	3	3
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>67</b>	80	78	68
Magnesium	ppm	<b>14</b>	19	16	15
Zinc	ppm	<b>24</b>	42	47	42
Phosphorus	ppm	<b>912</b>	1022	937	891
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>149</b>	188	163	152

## 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.

**Depot:** SAIBIR  
**Unique No:** 10673230  
**Signed:** Don Baldrige  
**Report Date:** 04 Oct 2023



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## GRAPHS

