



# CONSTRUCTION EQUIPMENT

## SWO-071763 VOLVO A60H 340039 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP450920  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** SWO-071763



### SAMPLE INFORMATION

Sample Number	<b>VCP450920</b>	VCP441429	VCP431115	VCP412651
Sample Date	<b>07 May 2024</b>	18 Jan 2024	27 Sep 2023	20 Jun 2023
Machine Hours	<b>9022</b>	8521	8052	7542
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>285</b>	285	272	274
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	3	3	2
Sodium	ppm	<b>0</b>	2	<1	0
Potassium	ppm	<b>2</b>	1	<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 oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>16</b>	10	25	19
Copper	ppm	<b>5</b>	0	0	0
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>2</b>	0	0	0
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>8</b>	6	2	2
Nickel	ppm	<b>&lt;1</b>	<1	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>188</b>	100	65	62
Magnesium	ppm	<b>37</b>	34	14	12
Zinc	ppm	<b>140</b>	95	22	31
Phosphorus	ppm	<b>960</b>	767	889	724
Barium	ppm	<b>2</b>	<1	0	0
Boron	ppm	<b>156</b>	134	147	129

**Depot:** SAIBIR  
**Unique No:** 11021949  
**Signed:** Sean Felton  
**Report Date:** 14 May 2024



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## GRAPHS

