



# CONSTRUCTION EQUIPMENT

SWO-071394 VOLVO A60H 350187 - DROP BOX



**Sample No:** VCP452743  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-071394



## SAMPLE INFORMATION

Sample Number	<b>VCP452743</b>	VCP410904	VCP428997	VCP05842395
Sample Date	<b>29 Apr 2024</b>	11 Jan 2024	06 Sep 2023	08 May 2023
Machine Hours	<b>3015</b>	2513	2021	0
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	N/A
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>219</b>	220	219	219
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>51</b>	52	50	42
Sodium	ppm	<b>4</b>	6	5	4
Potassium	ppm	<b>2</b>	0	2	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>55</b>	90	48	52
Copper	ppm	<b>3</b>	3	2	<1
Lead	ppm	<b>&lt;1</b>	0	<1	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>2</b>	0	0	5
Chromium	ppm	<b>&lt;1</b>	1	<1	0
Molybdenum	ppm	<b>3</b>	3	2	<1
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	3	2	1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>19</b>	16	17	25
Magnesium	ppm	<b>3</b>	0	1	7
Zinc	ppm	<b>32</b>	29	31	23
Phosphorus	ppm	<b>1337</b>	1295	1334	1258
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>144</b>	125	144	155

**Depot:** SAIBIR  
**Unique No:** 11009471  
**Signed:** Don Baldrige  
**Report Date:** 07 May 2024



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## GRAPHS

