



# CONSTRUCTION EQUIPMENT

SWO-067874 VOLVO A60 340104 - DROP BOX



**Sample No:** VCP435563  
**Oil Type:** GEAR OIL SAE 90W140  
**Job No:** SWO-067874



## SAMPLE INFORMATION

Sample Number	<b>VCP435563</b>	VCP426204	VCP403626	VCP364034
Sample Date	<b>30 Nov 2023</b>	24 Aug 2023	17 Apr 2023	08 Nov 2022
Machine Hours	<b>9185</b>	8689	8086	7528
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	ABNORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>316</b>	316	353	349
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>10</b>	10	18	8
Sodium	ppm	<b>3</b>	0	<1	0
Potassium	ppm	<b>0</b>	<1	0	2

## 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>294</b>	107	173	77
Copper	ppm	<b>2</b>	1	<1	<1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>6</b>	7	▲ 20	8
Chromium	ppm	<b>4</b>	2	3	<1
Molybdenum	ppm	<b>2</b>	2	<1	<1
Nickel	ppm	<b>2</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	2
Manganese	ppm	<b>3</b>	1	3	1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>59</b>	58	10	12
Magnesium	ppm	<b>23</b>	22	0	4
Zinc	ppm	<b>46</b>	44	0	7
Phosphorus	ppm	<b>1001</b>	1005	1198	997
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>187</b>	188	231	182

**Depot:** SAIBIR  
**Unique No:** 10776618  
**Signed:** Don Baldrige  
**Report Date:** 08 Dec 2023



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## GRAPHS

