



# CONSTRUCTION EQUIPMENT

SWO-066610 VOLVO A60H 340099 - TANK BRAKE



**Sample No:** VCP432962  
**Oil Type:** Brake  
**Job No:** SWO-066610



## SAMPLE INFORMATION

Sample Number	<b>VCP432962</b>	VCP413245	VCP395355	VCP383706
Sample Date	<b>11 Oct 2023</b>	18 Jul 2023	27 Mar 2023	14 Oct 2022
Machine Hours	<b>7982</b>	7491	7019	6595
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	ABNORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>46.3</b>	46.8	44.0	41.0
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## CONTAMINATION

Silicon	ppm	<b>24</b>	25	27	24
Sodium	ppm	<b>6</b>	3	5	3
Potassium	ppm	<b>0</b>	0	0	0



## WEAR METALS

Iron	ppm	<b>59</b>	64	84	73
Copper	ppm	<b>141</b>	129	▲ 168	▲ 207
Lead	ppm	<b>&lt;1</b>	0	2	▲ 53
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>3</b>	4	3	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	1
Molybdenum	ppm	<b>2</b>	4	2	1
Nickel	ppm	<b>2</b>	3	4	5
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	2	2
Vanadium	ppm	<b>0</b>	0	0	<1



## ADDITIVES

Calcium	ppm	<b>2976</b>	3624	3079	2998
Magnesium	ppm	<b>41</b>	35	22	12
Zinc	ppm	<b>1107</b>	1421	1191	1092
Phosphorus	ppm	<b>1035</b>	1211	1097	1064
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>81</b>	101	70	61

## Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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:** 10698756  
**Signed:** Sean Felton  
**Report Date:** 19 Oct 2023



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## VOLVO GRAPHS

