



# CONSTRUCTION EQUIPMENT

SWO-068028 VOLVO A45G 352915 - BRAKE



**Sample No:** VCP447543  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-068028



## SAMPLE INFORMATION

Sample Number	<b>VCP447543</b>	VCP433855	VCP427477	VCP413259
Sample Date	<b>06 Dec 2023</b>	21 Sep 2023	15 Aug 2023	26 May 2023
Machine Hours	<b>2854</b>	2505	2344	1912
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>44.5</b>	40.2	40.7	40.4
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>16</b>	20	21	20
Sodium	ppm	<b>5</b>	8	10	10
Potassium	ppm	<b>&lt;1</b>	2	<1	<1



## WEAR METALS

Iron	ppm	<b>30</b>	39	52	44
Copper	ppm	<b>152</b>	286	274	215
Lead	ppm	<b>5</b>	<1	<1	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>2</b>	2	3	1
Chromium	ppm	<b>1</b>	1	2	2
Molybdenum	ppm	<b>2</b>	<1	0	<1
Nickel	ppm	<b>5</b>	6	6	5
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	3	2
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>2494</b>	3513	4024	3715
Magnesium	ppm	<b>0</b>	8	12	11
Zinc	ppm	<b>1286</b>	1498	1627	1621
Phosphorus	ppm	<b>998</b>	1261	1328	1327
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>104</b>	123	150	128

## 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 fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** SAIBIR  
**Unique No:** 10780789  
**Signed:** Sean Felton  
**Report Date:** 14 Dec 2023

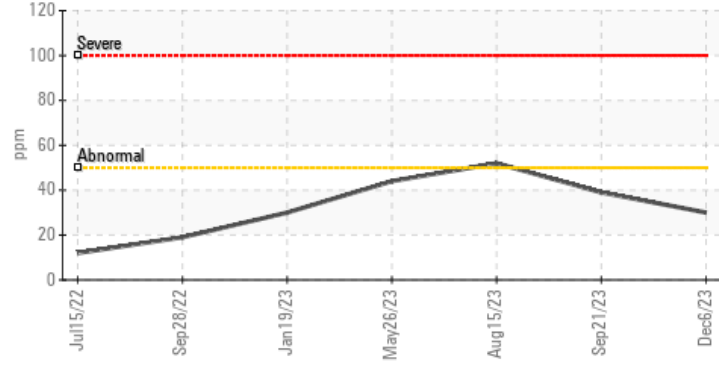


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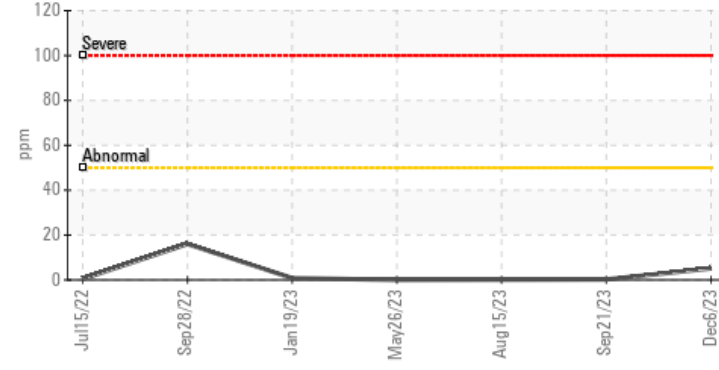


## GRAPHS

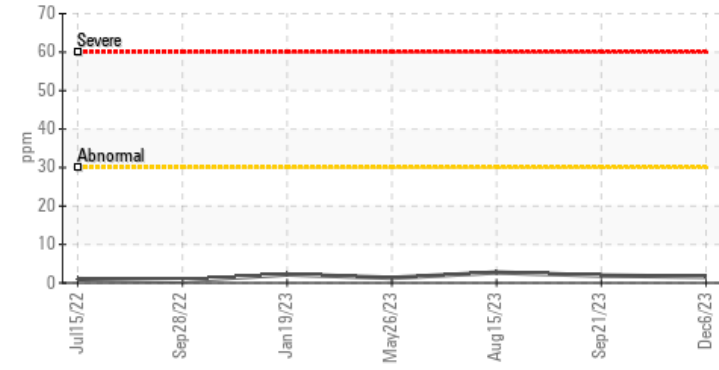
### Iron (ppm)



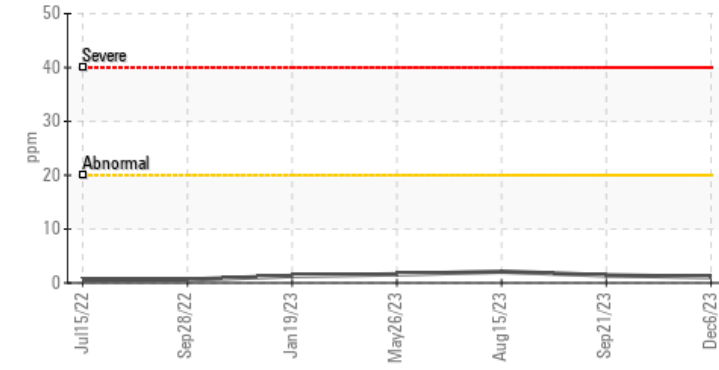
### Lead (ppm)



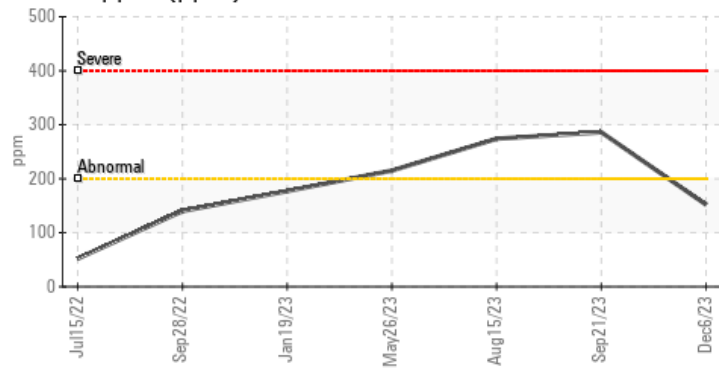
### Aluminum (ppm)



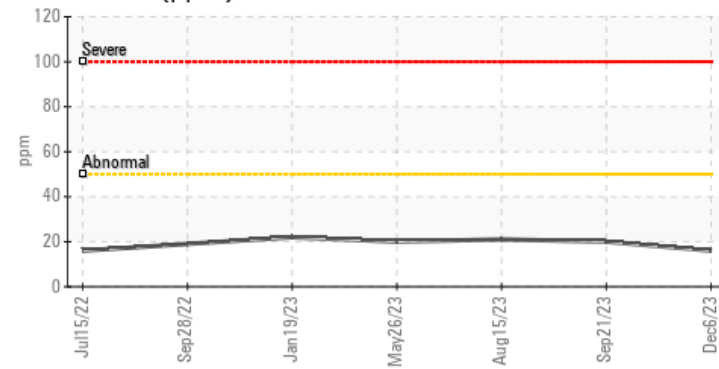
### Chromium (ppm)



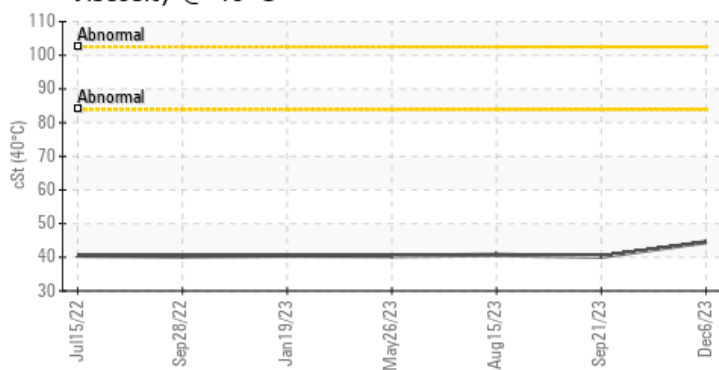
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

