



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 342096 - WET DISC BRAKE



**Sample No:** VCP435407

**Oil Type:** NOT GIVEN

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP435407	VCP415567	VCP404595	VCP392793
Sample Date	13 Nov 2023	22 Aug 2023	08 May 2023	16 Dec 2022
Machine Hours	9583	9107	8608	8113
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ABNORMAL	ABNORMAL	NORMAL	ABNORMAL

**SAIIA CONSTRUCTION LLC**

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### OIL CONDITION

Visc @ 40°C	cSt	48.8	48.4	48.9	46.3
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	14	14	14
Sodium	ppm	0	3	3	4
Potassium	ppm	1	0	<1	0

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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	33	33	33	27
Copper	ppm	249	221	175	296
Lead	ppm	0	0	1	6
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	3	1	<1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	3	2	3	1
Nickel	ppm	4	4	4	6
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	1	1
Vanadium	ppm	0	0	0	0



### ADDITIVES

Calcium	ppm	2687	2728	2760	2373
Magnesium	ppm	23	29	28	7
Zinc	ppm	1241	1226	1318	1130
Phosphorus	ppm	1054	1022	1045	1023
Barium	ppm	0	0	0	0
Boron	ppm	84	86	70	71

**Depot:** SAIBIR

**Unique No:** 10754631

**Signed:** Jonathan Hester

**Report Date:** 27 Nov 2023

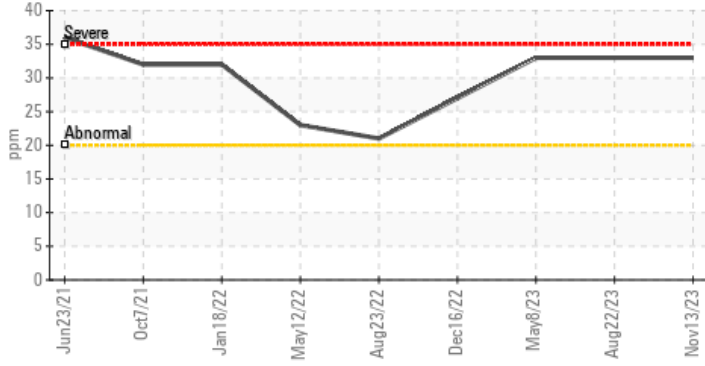


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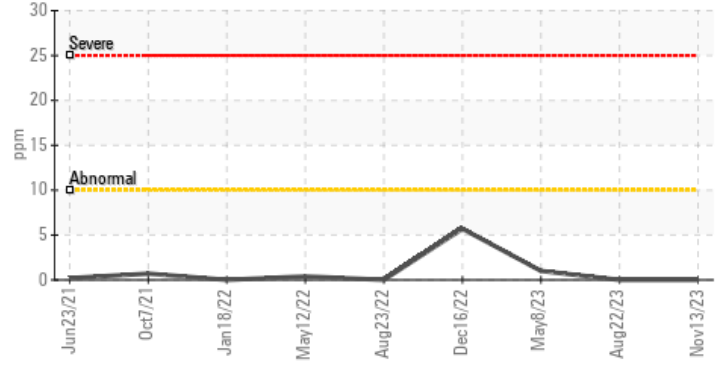


## VOLVO GRAPHS

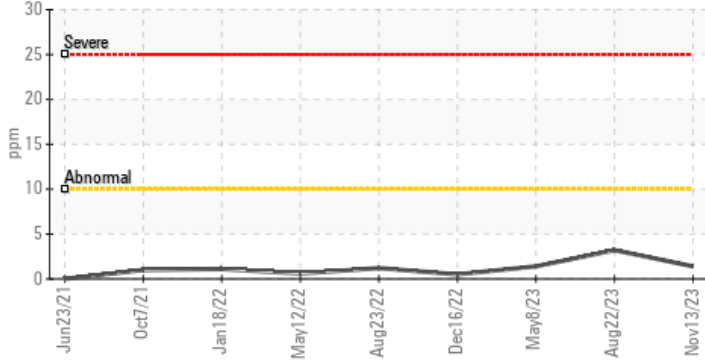
### Iron (ppm)



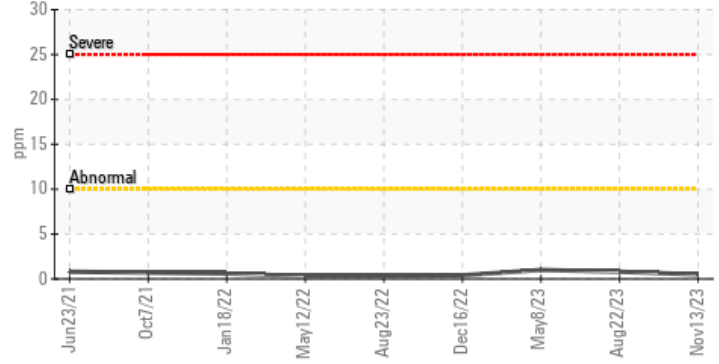
### Lead (ppm)



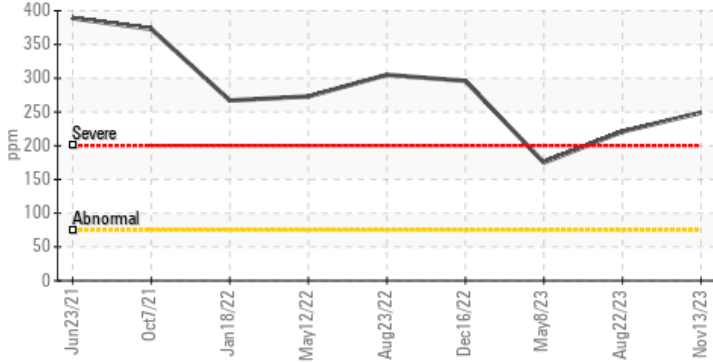
### Aluminum (ppm)



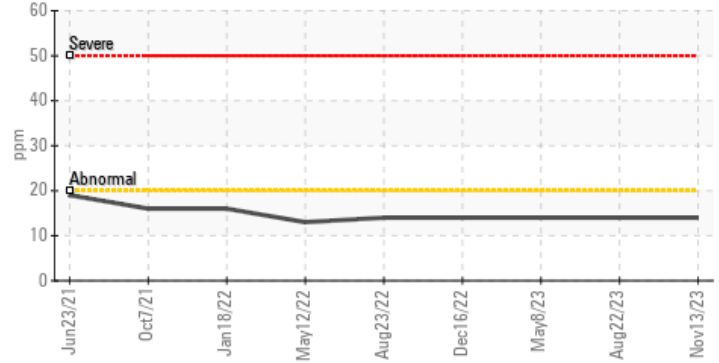
### Chromium (ppm)



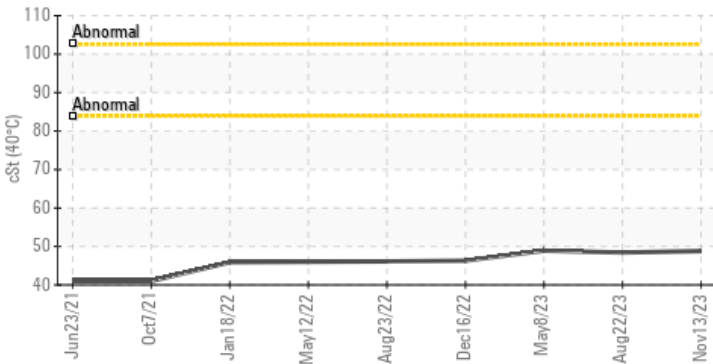
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

