



# CONSTRUCTION EQUIPMENT

## VOLVO A45GFS 352516 - TRANSMISSION



**Sample No:** VCP409154

**Oil Type:** ATF

**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP409154</b>	VCP373578	VCP365367	---
Sample Date	<b>18 Sep 2023</b>	22 Mar 2023	03 Jan 2023	---
Machine Hours	<b>4264</b>	3222	2879	---
Oil Hours	<b>500</b>	0	0	---
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	---
Sample Status	<b>ABNORMAL</b>	NORMAL	ABNORMAL	---

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 DUNNCONSTRUCTINC@GMAIL.COM  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>26.4</b>	27.4	85.4	---
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### CONTAMINATION

Silicon	ppm	<b>10</b>	8	12	---
Sodium	ppm	<b>7</b>	6	7	---
Potassium	ppm	<b>2</b>	2	2	---



### WEAR METALS

Iron	ppm	<b>▲ 103</b>	45	64	---
Copper	ppm	<b>102</b>	83	80	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>12</b>	8	8	---
Aluminum	ppm	<b>33</b>	19	20	---
Chromium	ppm	<b>0</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>17</b>	14	13	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>4</b>	3	3	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>83</b>	88	83	---
Magnesium	ppm	<b>0</b>	1	<1	---
Zinc	ppm	<b>6</b>	12	9	---
Phosphorus	ppm	<b>151</b>	189	157	---
Barium	ppm	<b>&lt;1</b>	0	0	---
Boron	ppm	<b>49</b>	77	56	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** DUNBEL  
**Unique No:** 10702534  
**Signed:** Don Baldrige  
**Report Date:** 23 Oct 2023

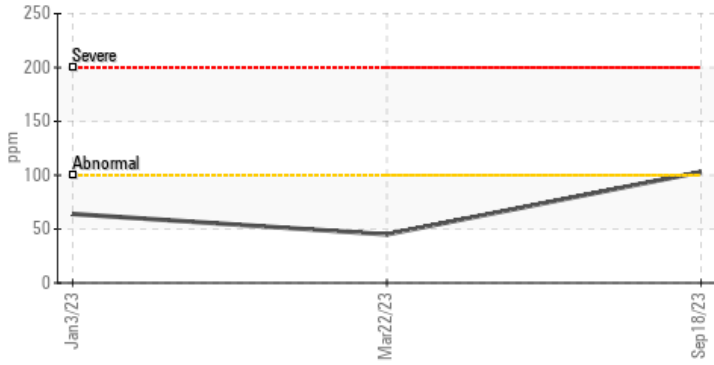


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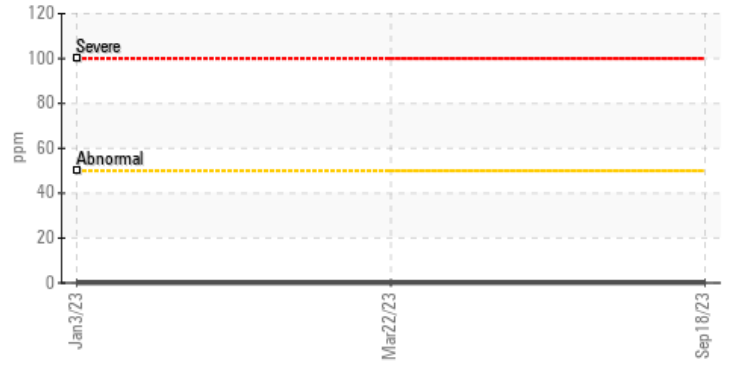


## GRAPHS

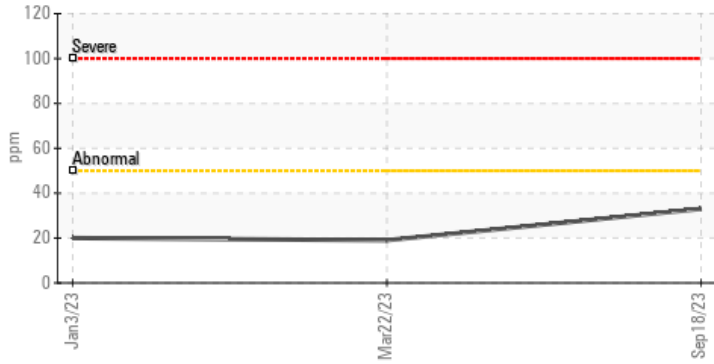
### ▲ Iron (ppm)



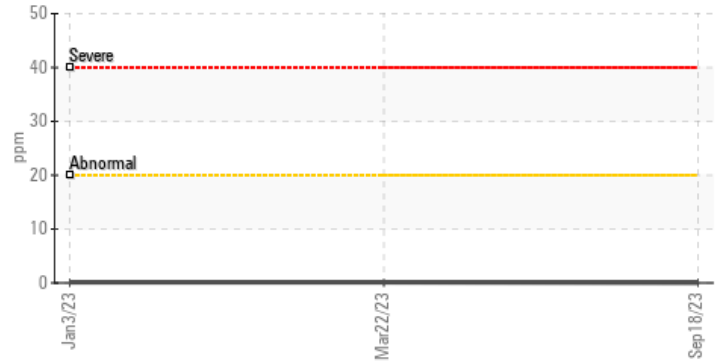
### Lead (ppm)



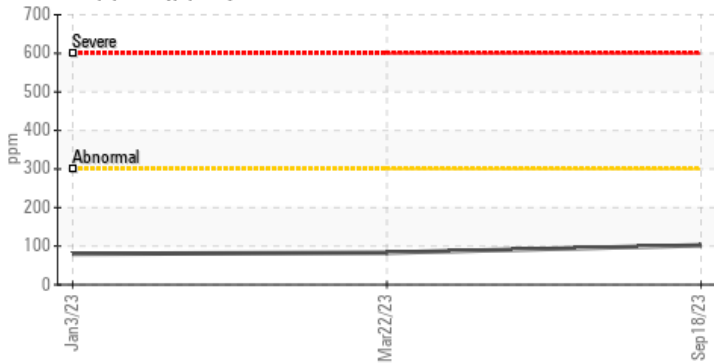
### Aluminum (ppm)



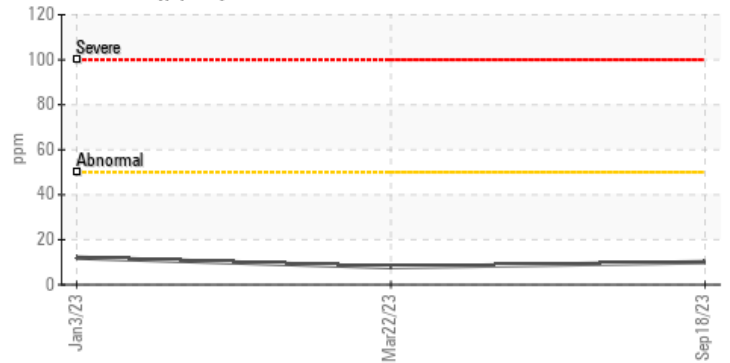
### Chromium (ppm)



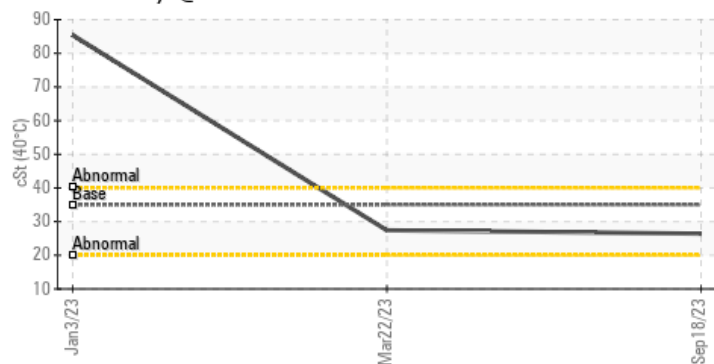
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

