



# CONSTRUCTION EQUIPMENT

## 458006 VOLVO A45FS 352082 - FRONT AXLE



**Sample No:** VCP06086510  
**Oil Type:** {unknown}  
**Job No:** 458006



### SAMPLE INFORMATION

Sample Number	<b>VCP06086510</b>	VCP300124	---	---
Sample Date	<b>23 Jan 2024</b>	19 May 2021	---	---
Machine Hours	<b>4649</b>	2030	---	---
Oil Hours	<b>0</b>	2030	---	---
Oil Changed	<b>N/A</b>	Changed	---	---
Sample Status	<b>MARGINAL</b>	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>263.7</b>	49.0	---	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>24</b>	4	---	---
Sodium	ppm	<b>&lt;1</b>	1	---	---
Potassium	ppm	<b>0</b>	3	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>120</b>	341	---	---
Copper	ppm	<b>&lt;1</b>	2	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>1</b>	<1	---	---
Chromium	ppm	<b>2</b>	5	---	---
Molybdenum	ppm	<b>14</b>	12	---	---
Nickel	ppm	<b>&lt;1</b>	1	---	---
Titanium	ppm	<b>&lt;1</b>	0	---	---
Silver	ppm	<b>0</b>	<1	---	---
Manganese	ppm	<b>12</b>	9	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>186</b>	135	---	---
Magnesium	ppm	<b>40</b>	1	---	---
Zinc	ppm	<b>102</b>	61	---	---
Phosphorus	ppm	<b>1073</b>	2346	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>188</b>	238	---	---

**Depot:** VOLVO0093  
**Unique No:** 10873955  
**Signed:** Doug Bogart  
**Report Date:** 12 Feb 2024



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## VOLVO GRAPHS

