



# CONSTRUCTION EQUIPMENT

367252-1 SENNEBOGEN 835 835.0.2949 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP396393  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 367252-1



## SAMPLE INFORMATION

Sample Number	<b>VCP396393</b>	VCP363685	---	---
Sample Date	<b>10 Oct 2023</b>	01 Nov 2022	---	---
Machine Hours	<b>4362</b>	1872	---	---
Oil Hours	<b>2000</b>	500	---	---
Oil Changed	<b>Changed</b>	Not Changd	---	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	---	---

### ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE  
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 US 61705  
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## OIL CONDITION

Visc @ 40°C	cSt	<span style="color: green;">■</span> <b>142</b>	<span style="color: green;">■</span> 154	---	---
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## CONTAMINATION

Silicon	ppm	<span style="color: green;">■</span> <b>8</b>	<span style="color: green;">■</span> 5	---	---
Sodium	ppm	<span style="color: green;">■</span> <b>4</b>	<span style="color: green;">■</span> 2	---	---
Potassium	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 2	---	---



## WEAR METALS

Iron	ppm	<span style="color: green;">■</span> <b>436</b>	<span style="color: green;">■</span> 136	---	---
Copper	ppm	<span style="color: orange;">▲</span> <b>91</b>	<span style="color: orange;">▲</span> 95	---	---
Lead	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> <1	---	---
Tin	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 0	---	---
Aluminum	ppm	<span style="color: green;">■</span> <b>3</b>	<span style="color: green;">■</span> 4	---	---
Chromium	ppm	<span style="color: green;">■</span> <b>2</b>	<span style="color: green;">■</span> <1	---	---
Molybdenum	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> <1	---	---
Nickel	ppm	<span style="color: green;">■</span> <b>0</b>	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<b>0</b>	1	---	---
Manganese	ppm	<span style="color: green;">■</span> <b>10</b>	<span style="color: green;">■</span> 5	---	---
Vanadium	ppm	<b>0</b>	0	---	---



## ADDITIVES

Calcium	ppm	<span style="color: green;">■</span> <b>386</b>	<span style="color: green;">■</span> 17	---	---
Magnesium	ppm	<span style="color: green;">■</span> <b>6</b>	<span style="color: green;">■</span> 3	---	---
Zinc	ppm	<span style="color: green;">■</span> <b>245</b>	<span style="color: green;">■</span> 78	---	---
Phosphorus	ppm	<span style="color: green;">■</span> <b>1778</b>	<span style="color: green;">■</span> 1692	---	---
Barium	ppm	<span style="color: green;">■</span> <b>17</b>	<span style="color: green;">■</span> 29	---	---
Boron	ppm	<span style="color: green;">■</span> <b>107</b>	<span style="color: green;">■</span> 100	---	---

### 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.

**Depot:** VOLVO5054  
**Unique No:** 10699933  
**Signed:** Sean Felton  
**Report Date:** 19 Oct 2023



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## GRAPHS

