



# CONSTRUCTION EQUIPMENT

## SWA560052-10 ALTER SENNEBOGEN 835 835.0.2949 - FRONT AXLE



**Sample No:** VCP453605  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SWA560052-10 ALTER



### SAMPLE INFORMATION

Sample Number	<b>VCP453605</b>	VCP434448	VCP395852	VCP363684
Sample Date	<b>17 May 2024</b>	01 Mar 2024	10 Oct 2023	01 Nov 2022
Machine Hours	<b>5900</b>	5345	4362	1872
Oil Hours	<b>2000</b>	1000	2000	2000
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE  
 BLOOMINGTON, IL  
 US 61705

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### OIL CONDITION

Visc @ 40°C	cSt	<b>136</b>	138	137	153
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>7</b>	6	3	2
Sodium	ppm	<b>0</b>	2	<1	0
Potassium	ppm	<b>&lt;1</b>	1	0	1

### Diagnosis

Resample at the next service interval to monitor. All 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	<b>43</b>	287	14	11
Copper	ppm	<b>6</b>	72	22	45
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>1</b>	<1	0	0
Aluminum	ppm	<b>2</b>	3	0	0
Chromium	ppm	<b>&lt;1</b>	2	0	0
Molybdenum	ppm	<b>&lt;1</b>	<1	0	0
Nickel	ppm	<b>&lt;1</b>	<1	0	0
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>&lt;1</b>	0	0	1
Manganese	ppm	<b>1</b>	6	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>46</b>	59	249	4
Magnesium	ppm	<b>2</b>	1	4	<1
Zinc	ppm	<b>27</b>	70	151	26
Phosphorus	ppm	<b>1834</b>	1813	1540	1705
Barium	ppm	<b>0</b>	1	2	0
Boron	ppm	<b>142</b>	147	57	94

**Depot:** VOLVO5054  
**Unique No:** 11046316  
**Signed:** Wes Davis  
**Report Date:** 24 May 2024



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## GRAPHS

