



# CONSTRUCTION EQUIPMENT

619687 IHFT SENNEBOGEN 850 1150 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP431424  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 619687 IHFT



## SAMPLE INFORMATION

Sample Number	<b>VCP431424</b>	VCP411145	---	---
Sample Date	<b>28 Nov 2023</b>	27 Apr 2023	---	---
Machine Hours	<b>37869</b>	35842	---	---
Oil Hours	<b>0</b>	1000	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---

**ALTA EQUIPMENT COMPANY - METRO WEST**  
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US 48165  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>133</b>	128	---	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>5</b>	4	---	---
Sodium	ppm	<b>0</b>	<1	---	---
Potassium	ppm	<b>&lt;1</b>	1	---	---



## WEAR METALS

Iron	ppm	<b>139</b>	272	---	---
Copper	ppm	<b>6</b>	7	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>&lt;1</b>	<1	---	---
Chromium	ppm	<b>&lt;1</b>	1	---	---
Molybdenum	ppm	<b>0</b>	1	---	---
Nickel	ppm	<b>0</b>	<1	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>2</b>	2	---	---
Vanadium	ppm	<b>0</b>	0	---	---



## ADDITIVES

Calcium	ppm	<b>22</b>	21	---	---
Magnesium	ppm	<b>5</b>	18	---	---
Zinc	ppm	<b>16</b>	35	---	---
Phosphorus	ppm	<b>1669</b>	886	---	---
Barium	ppm	<b>0</b>	3	---	---
Boron	ppm	<b>172</b>	46	---	---

## Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. 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.

**Depot:** VOLVO2990  
**Unique No:** 10779569  
**Signed:** Don Baldrige  
**Report Date:** 12 Dec 2023



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## GRAPHS

