



# CONSTRUCTION EQUIPMENT

647498 GERDAU SENNEBOGAN 850 3143 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP439609  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 647498 GERDAU



## SAMPLE INFORMATION

Sample Number	<b>VCP439609</b>	VCP414110	VCP411162	---
Sample Date	<b>17 Jan 2024</b>	28 Jun 2023	12 Apr 2023	---
Machine Hours	<b>4697</b>	2398	1263	---
Oil Hours	<b>4697</b>	1000	1263	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**ALTA EQUIPMENT COMPANY - METRO WEST**  
56195 PONTIAC TRAIL  
NEW HUDSON, MI  
US 48165  
Contact: PAUL CONZ  
paul.conz@altg.com  
T:  
F: (248)356-2029



## OIL CONDITION

Visc @ 40°C	cSt	<b>129</b>	132	140	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>3</b>	<1	<1	---
Sodium	ppm	<b>0</b>	<1	2	---
Potassium	ppm	<b>1</b>	0	0	---

## 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>76</b>	56	45	---
Copper	ppm	<b>14</b>	12	7	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>1</b>	<1	<1	---
Chromium	ppm	<b>&lt;1</b>	0	<1	---
Molybdenum	ppm	<b>&lt;1</b>	0	1	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>1</b>	1	2	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>18</b>	31	23	---
Magnesium	ppm	<b>10</b>	2	19	---
Zinc	ppm	<b>24</b>	31	33	---
Phosphorus	ppm	<b>1228</b>	596	880	---
Barium	ppm	<b>7</b>	11	75	---
Boron	ppm	<b>148</b>	11	34	---

**Depot:** VOLVO2990  
**Unique No:** 10846442  
**Signed:** Wes Davis  
**Report Date:** 25 Jan 2024



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## GRAPHS

