



# CONSTRUCTION EQUIPMENT

647498 GERDAU SENNEBOGEN 850 3143 - FRONT AXLE



**Sample No:** VCP439606  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 647498 GERDAU



## SAMPLE INFORMATION

Sample Number	<b>VCP439606</b>	VCP414135	VCP411159	---
Sample Date	<b>17 Jan 2024</b>	28 Jun 2023	12 Apr 2023	---
Machine Hours	<b>4697</b>	2398	1263	---
Oil Hours	<b>1697</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  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>132</b>	134	162	---
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## CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<b>4</b>	2	5	---
Sodium	ppm	<b>0</b>	0	4	---
Potassium	ppm	<b>2</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 fluid. The condition of the fluid is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>7</b>	8	6	---
Copper	ppm	<b>3</b>	4	8	---
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	0	---
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>0</b>	<1	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>5</b>	2	9	---
Magnesium	ppm	<b>1</b>	0	2	---
Zinc	ppm	<b>6</b>	0	9	---
Phosphorus	ppm	<b>1033</b>	499	1390	---
Barium	ppm	<b>0</b>	0	189	---
Boron	ppm	<b>121</b>	2	76	---

**Depot:** VOLVO2990  
**Unique No:** 10846443  
**Signed:** Don Baldrige  
**Report Date:** 26 Jan 2024



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## GRAPHS

