



# CONSTRUCTION EQUIPMENT

729780 GERDAU SENNEBOGAN 850 3143 - REAR AXLE



**Sample No:** VCP452773  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 729780 GERDAU



## SAMPLE INFORMATION

Sample Number	<b>VCP452773</b>	VCP439607	VCP414105	VCP411160
Sample Date	<b>19 Jun 2024</b>	17 Jan 2024	28 Jun 2023	12 Apr 2023
Machine Hours	<b>7018</b>	4697	2398	1263
Oil Hours	<b>1000</b>	1697	1000	1263
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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

Visc @ 40°C	cSt	<b>137</b>	136	133	158
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	6	2	5
Sodium	ppm	<b>&lt;1</b>	0	<1	4
Potassium	ppm	<b>1</b>	2	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>10</b>	16	15	22
Copper	ppm	<b>2</b>	3	3	6
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>3</b>	1	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	0	<1
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>0</b>	30	24	12
Magnesium	ppm	<b>4</b>	1	0	6
Zinc	ppm	<b>7</b>	13	12	14
Phosphorus	ppm	<b>1900</b>	1579	560	1274
Barium	ppm	<b>&lt;1</b>	0	2	168
Boron	ppm	<b>222</b>	226	6	65

**Depot:** VOLVO2990  
**Unique No:** 11100793  
**Signed:** Don Baldrige  
**Report Date:** 29 Jun 2024



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## GRAPHS

