



CONSTRUCTION EQUIPMENT

646154 GERDAU SENNEBOGEN 825 3313 - FRONT AXLE



Sample No: VCP434052
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 646154 GERDAU



SAMPLE INFORMATION

Sample Number	VCP434052	VCP403823	VCP356709	---
Sample Date	13 Dec 2023	11 Jan 2023	30 Mar 2022	---
Machine Hours	3721	2845	1924	---
Oil Hours	3721	1000	1924	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
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OIL CONDITION

Visc @ 40°C	cSt	148	138	▲ 56.5	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	6	11	---
Sodium	ppm	0	4	14	---
Potassium	ppm	1	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	50	32	13	---
Copper	ppm	5	6	3	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	3	<1	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	0	<1	---
Nickel	ppm	4	<1	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	3	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	103	425	▲ 3785	---
Magnesium	ppm	3	3	12	---
Zinc	ppm	100	247	▲ 1290	---
Phosphorus	ppm	1971	1862	1205	---
Barium	ppm	8	0	0	---
Boron	ppm	58	54	133	---

Depot: VOLVO2990
Unique No: 10794915
Signed: Wes Davis
Report Date: 20 Dec 2023



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GRAPHS

