



CONSTRUCTION EQUIPMENT

646154 GERDAU SENNEBOGEN 825 3313 - DROP BOX



Sample No: VCP434051
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 646154 GERDAU



SAMPLE INFORMATION

Sample Number	VCP434051	VCP403821	---	---
Sample Date	13 Dec 2023	11 Jan 2023	---	---
Machine Hours	3721	2845	---	---
Oil Hours	3721	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	SEVERE	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
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OIL CONDITION

Visc @ 40°C	cSt	141	▲ 71.3	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	8	6	---	---
Sodium	ppm	19	39	---	---
Potassium	ppm	3	11	---	---

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	231	47	---	---
Copper	ppm	33	321	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	3	3	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	1	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	7	21	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	179	1871	---	---
Magnesium	ppm	10	7	---	---
Zinc	ppm	93	654	---	---
Phosphorus	ppm	1902	1482	---	---
Barium	ppm	10	<1	---	---
Boron	ppm	40	46	---	---

Depot: VOLVO2990
Unique No: 10794913
Signed: Jonathan Hester
Report Date: 21 Dec 2023



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GRAPHS

