



CONSTRUCTION EQUIPMENT

647498 GERDAU SENNEBOGEN 850 3143 - REAR AXLE



Sample No: VCP439607
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 647498 GERDAU



ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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SAMPLE INFORMATION

Sample Number	VCP439607	VCP414105	VCP411160	---
Sample Date	17 Jan 2024	28 Jun 2023	12 Apr 2023	---
Machine Hours	4697	2398	1263	---
Oil Hours	1697	1000	1263	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	136	133	158	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	6	2	5	---
Sodium	ppm	0	<1	4	---
Potassium	ppm	2	0	0	---



WEAR METALS

Iron	ppm	16	15	22	---
Copper	ppm	3	3	6	---
Lead	ppm	0	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	1	<1	<1	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	<1	0	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	30	24	12	---
Magnesium	ppm	1	0	6	---
Zinc	ppm	13	12	14	---
Phosphorus	ppm	1579	560	1274	---
Barium	ppm	0	2	168	---
Boron	ppm	226	6	65	---

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.

Depot: VOLVO2990
Unique No: 10846437
Signed: Don Baldrige
Report Date: 26 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

