



CONSTRUCTION EQUIPMENT

SPM567475 SENNEBOGEN 835ME 835.0.2902 - FRONT RIGHT FINAL DRIVE



Sample No: VCP423173
Oil Type: GEAR OIL SAE 80W90
Job No: SPM567475



SAMPLE INFORMATION

Sample Number	VCP423173	VCP05839527	VCP333366	---
Sample Date	26 Jun 2023	19 Apr 2023	11 Feb 2022	---
Machine Hours	3988	3469	540	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	SEVERE	SEVERE	ABNORMAL	---

SIMS METAL MANAGEMENT

2500 S. PAULINA
CHICAGO, IL
US 60608
Contact: RYAN WISE
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T:
F:

OIL CONDITION

Visc @ 40°C	cSt	184	184	185	---
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CONTAMINATION

Silicon	ppm	5	4	3	---
Sodium	ppm	12	10	10	---
Potassium	ppm	0	0	0	---

WEAR METALS

Iron	ppm	644	463	198	---
Copper	ppm	587	439	182	---
Lead	ppm	6	0	1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	23	18	8	---
Chromium	ppm	3	2	1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	37	30	12	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	36	26	12	---
Magnesium	ppm	6	2	2	---
Zinc	ppm	507	429	138	---
Phosphorus	ppm	1152	1148	1224	---
Barium	ppm	313	287	319	---
Boron	ppm	<1	<1	0	---

Diagnosis

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The copper level is severe. Gear wear is indicated. High concentration of visible metal present. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: SIMCHIL
Unique No: 10548888
Signed: Don Baldrige
Report Date: 11 Jul 2023



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GRAPHS

