



CONSTRUCTION EQUIPMENT

SPM566233 SENNEBOGEN 835ME 835.0.2859 - FRONT LEFT FINAL DRIVE



Sample No: VCP423190
Oil Type: GEAR OIL SAE 80W90
Job No: SPM566233



SAMPLE INFORMATION

Sample Number	VCP423190	VCP404307	---	---
Sample Date	13 Jun 2023	06 Apr 2023	---	---
Machine Hours	4333	3781	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

SIMS METAL MANAGEMENT

2500 S. PAULINA
CHICAGO, IL
US 60608
Contact: RYAN WISE
ryan.wise@simsmm.com
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 192	█ 184	---	---
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CONTAMINATION

Silicon	ppm	█ 24	█ 2	---	---
Sodium	ppm	█ 3	█ 9	---	---
Potassium	ppm	█ 0	█ <1	---	---

WEAR METALS

Iron	ppm	█ 134	█ 198	---	---
Copper	ppm	▲ 143	▲ 221	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 5	█ 11	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ 3	█ <1	---	---
Nickel	ppm	<1	█ <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 7	█ 18	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 2412	█ 26	---	---
Magnesium	ppm	█ 66	█ 3	---	---
Zinc	ppm	█ 965	█ 289	---	---
Phosphorus	ppm	█ 963	█ 1136	---	---
Barium	ppm	█ 64	█ 259	---	---
Boron	ppm	█ 2	█ 0	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level has decreased, but is still abnormal. All other 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.

Depot: SIMCHIL
Unique No: 10548910
Signed: Don Baldrige
Report Date: 11 Jul 2023



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GRAPHS

