



CONSTRUCTION EQUIPMENT

SPM645920 SENNEBOGEN 835ME 835.0.2902 - REAR AXLE



Sample No: VCP422959
Oil Type: GEAR OIL SAE 80W90
Job No: SPM645920



SAMPLE INFORMATION

Sample Number	VCP422959	VCP423181	VCP383258	---
Sample Date	29 Nov 2023	26 Jun 2023	19 Apr 2023	---
Machine Hours	5105	3988	3469	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	ABNORMAL	ABNORMAL	---

SIMS METAL MANAGEMENT

2500 S. PAULINA
CHICAGO, IL
US 60608

Contact: RYAN WISE
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T:
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OIL CONDITION

Visc @ 40°C	cSt	145	185	185	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	1	5	4	---
Sodium	ppm	1	5	4	---
Potassium	ppm	9	0	0	---



WEAR METALS

Iron	ppm	2	168	135	---
Copper	ppm	1	▲ 146	▲ 114	---
Lead	ppm	0	<1	0	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	2	3	3	---
Chromium	ppm	0	1	1	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	6	5	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	58	40	4	---
Magnesium	ppm	11	4	0	---
Zinc	ppm	29	111	75	---
Phosphorus	ppm	260	1134	1155	---
Barium	ppm	0	375	355	---
Boron	ppm	0	<1	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.

Depot: SIMCHIL
Unique No: 10793399
Signed: Jonathan Hester
Report Date: 20 Dec 2023



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GRAPHS

