



CONSTRUCTION EQUIPMENT

SPM686831 SENNEBOGEN 835ME 835.0.2902 - REAR AXLE



Sample No: VCP415339
Oil Type: GEAR OIL SAE 80W90
Job No: SPM686831



SAMPLE INFORMATION

Sample Number	VCP415339	VCP422959	VCP423181	VCP383258
Sample Date	12 Mar 2024	29 Nov 2023	26 Jun 2023	19 Apr 2023
Machine Hours	5160	5105	3988	3469
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

SIMS METAL MANAGEMENT

2500 S. PAULINA
CHICAGO, IL
US 60608

Contact: RYAN WISE
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OIL CONDITION

Visc @ 40°C	cSt	165	145	185	185
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	1	5	4
Sodium	ppm	6	1	5	4
Potassium	ppm	2	9	0	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.



WEAR METALS

Iron	ppm	54	2	168	135
Copper	ppm	5	1	▲ 146	▲ 114
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	2	3	3
Chromium	ppm	<1	0	1	1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	2	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	6	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	260	58	40	4
Magnesium	ppm	3	11	4	0
Zinc	ppm	112	29	111	75
Phosphorus	ppm	864	260	1134	1155
Barium	ppm	0	0	375	355
Boron	ppm	22	0	<1	0

Depot: SIMCHIL
Unique No: 10990303
Signed: Wes Davis
Report Date: 22 Apr 2024



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GRAPHS

