



CONSTRUCTION EQUIPMENT

SPM688847 SENNEBOGEN 835ME 835.0.2078 - FRONT RIGHT FINAL DRIVE



Sample No: VCP425258
Oil Type: GEAR OIL SAE 80W90
Job No: SPM688847



SAMPLE INFORMATION

Sample Number	VCP425258	VCP425328	VCP418502	VCP387165
Sample Date	01 Apr 2024	12 Oct 2023	19 May 2023	02 Mar 2023
Machine Hours	20857	19841	19056	18536
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	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	150	143	188	188
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	23	59	▲ 86	▲ 84
Sodium	ppm	5	8	4	4
Potassium	ppm	178	860	15	14

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	215	348	▲ 699	▲ 685
Copper	ppm	16	12	▲ 78	▲ 73
Lead	ppm	0	0	2	4
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	3	11	● 19	● 16
Chromium	ppm	<1	2	5	5
Molybdenum	ppm	0	0	3	3
Nickel	ppm	0	1	1	1
Titanium	ppm	<1	2	2	2
Silver	ppm	0	0	0	<1
Manganese	ppm	3	4	9	10
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	243	231	2813	2896
Magnesium	ppm	17	46	73	69
Zinc	ppm	112	43	1063	1036
Phosphorus	ppm	454	450	894	882
Barium	ppm	0	1	0	0
Boron	ppm	140	636	31	28

Depot: SIMCHIL
Unique No: 10990249
Signed: Wes Davis
Report Date: 22 Apr 2024



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GRAPHS

