



CONSTRUCTION EQUIPMENT

SPM620293 SENNEBOGEN 835ME 835.0.2078 - REAR AXLE



Sample No: VCP415033
Oil Type: GEAR OIL SAE 80W90
Job No: SPM620293



SAMPLE INFORMATION

Sample Number	VCP415033	VCP418506	VCP387167	VCP361083
Sample Date	12 Oct 2023	19 May 2023	02 Mar 2023	16 May 2022
Machine Hours	19841	19056	18536	17503
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

SIMS METAL MANAGEMENT

2500 S. PAULINA
CHICAGO, IL
US 60608

Contact: RYAN WISE
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OIL CONDITION

Visc @ 40°C	cSt	138	194	194	115
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CONTAMINATION

Silicon	ppm	4	26	28	10
Sodium	ppm	0	<1	<1	<1
Potassium	ppm	0	<1	<1	<1



WEAR METALS

Iron	ppm	34	76	69	76
Copper	ppm	17	37	34	▲ 98
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	0	<1	0	1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	1	2	4
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	1	2	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	274	2221	2337	2210
Magnesium	ppm	7	25	23	32
Zinc	ppm	141	977	953	1017
Phosphorus	ppm	923	819	818	908
Barium	ppm	0	0	0	0
Boron	ppm	164	8	9	28

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: 10713369
Signed: Wes Davis
Report Date: 27 Oct 2023



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GRAPHS

