



CONSTRUCTION EQUIPMENT

SPM581201 SENNEBOGEN 835ME 835.0.2266 - FRONT AXLE



Sample No: VCP422982
Oil Type: GEAR OIL SAE 80W90
Job No: SPM581201



SAMPLE INFORMATION

Sample Number	VCP422982	VCP422520	VCP387171	VCP342091
Sample Date	11 Aug 2023	09 May 2023	20 Feb 2023	04 Nov 2021
Machine Hours	19533	19009	18581	16353
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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	181	180	188	181
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Silicon	ppm	26	16	19	15
Sodium	ppm	2	0	0	0
Potassium	ppm	<1	1	<1	<1

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	56	29	204	17
Copper	ppm	23	15	7	10
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	<1	2	1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	2	2	2	1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	1	<1	3	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2411	1602	1632	1730
Magnesium	ppm	18	12	18	11
Zinc	ppm	1100	739	767	736
Phosphorus	ppm	1018	681	694	717
Barium	ppm	0	0	0	0
Boron	ppm	28	17	22	29

Depot: SIMCHIL
Unique No: 10616421
Signed: Don Baldrige
Report Date: 23 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

