



CONSTRUCTION EQUIPMENT

SPM620293 SENNEBOGEN 835ME 835.0.2078 - FRONT LEFT FINAL DRIVE



Sample No: VCP415055
Oil Type: GEAR OIL SAE 80W90
Job No: SPM620293



SAMPLE INFORMATION

Sample Number	VCP415055	VCP418504	VCP387357	VCP378257
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	ABNORMAL	NORMAL	NORMAL	NORMAL

SIMS METAL MANAGEMENT

2500 S. PAULINA
CHICAGO, IL
US 60608

Contact: RYAN WISE
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OIL CONDITION

Visc @ 40°C	cSt	158	189	191	180
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CONTAMINATION

Silicon	ppm	▲ 107	57	45	13
Sodium	ppm	6	4	2	<1
Potassium	ppm	12	6	5	2



WEAR METALS

Iron	ppm	▲ 626	476	394	216
Copper	ppm	50	23	14	5
Lead	ppm	2	0	1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	▲ 25	10	5	2
Chromium	ppm	4	3	3	1
Molybdenum	ppm	0	1	2	1
Nickel	ppm	2	<1	0	0
Titanium	ppm	4	2	2	<1
Silver	ppm	<1	0	<1	2
Manganese	ppm	9	6	5	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	879	1989	1987	1586
Magnesium	ppm	95	47	33	8
Zinc	ppm	384	860	798	683
Phosphorus	ppm	1049	896	865	747
Barium	ppm	1	0	0	0
Boron	ppm	155	33	29	42

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: SIMCHIL
Unique No: 10713352
Signed: Don Baldrige
Report Date: 30 Oct 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

