



CONSTRUCTION EQUIPMENT

SPM686828 SENNEBOGEN 835ME 835.0.2739 - FRONT RIGHT FINAL DRIVE



Sample No: VCP444273
Oil Type: GEAR OIL SAE 80W90
Job No: SPM686828



SAMPLE INFORMATION

Sample Number	VCP444273	VCP398601	VCP350231	VCP340336
Sample Date	15 Mar 2024	30 May 2023	10 Jan 2022	12 Oct 2021
Machine Hours	7000	5151	2434	1932
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

SIMS METAL MANAGEMENT

2500 S. PAULINA
CHICAGO, IL
US 60608
Contact: RYAN WISE
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T:
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OIL CONDITION

Visc @ 40°C	cSt	194	199	199	183
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	20	17	18	5
Sodium	ppm	0	2	0	11
Potassium	ppm	2	0	0	0

Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. Moderate concentration of visible metal present. All other 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	117	160	183	483
Copper	ppm	72	94	84	293
Lead	ppm	1	0	<1	<1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	2	4	4	10
Chromium	ppm	1	<1	1	3
Molybdenum	ppm	3	2	<1	<1
Nickel	ppm	<1	0	<1	1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	<1	2
Manganese	ppm	4	5	5	18
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	2485	1740	1782	20
Magnesium	ppm	40	25	7	3
Zinc	ppm	1095	1037	851	236
Phosphorus	ppm	869	759	871	1128
Barium	ppm	5	3	69	309
Boron	ppm	5	1	4	25

Depot: SIMCHIL
Unique No: 10941445
Signed: Sean Felton
Report Date: 27 Mar 2024



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GRAPHS

