



CONSTRUCTION EQUIPMENT

SPM621371 SENNEBOGEN 835M 835.0.3000 - FRONT LEFT FINAL DRIVE



Sample No: VCP433298
Oil Type: GEAR OIL SAE 80W90
Job No: SPM621371



SAMPLE INFORMATION

Sample Number	VCP433298	VCP407606	VCP407616	VCP399743
Sample Date	26 Oct 2023	25 May 2023	25 May 2023	21 Mar 2023
Machine Hours	4088	3007	3007	2502
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	SEVERE	ABNORMAL	ABNORMAL	ABNORMAL

BELSON STEEL

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OIL CONDITION

Visc @ 40°C	cSt	151	187	183	190
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CONTAMINATION

Silicon	ppm	5	9	14	17
Sodium	ppm	2	5	3	2
Potassium	ppm	0	1	<1	1



WEAR METALS

Iron	ppm	136	316	86	76
Copper	ppm	405	152	212	181
Lead	ppm	4	<1	2	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	10	6	8	8
Chromium	ppm	<1	2	<1	<1
Molybdenum	ppm	0	<1	<1	1
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	<1	<1	1
Silver	ppm	0	0	0	0
Manganese	ppm	13	12	8	7
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	542	1661	2262	2775
Magnesium	ppm	0	12	20	17
Zinc	ppm	445	789	1103	1234
Phosphorus	ppm	573	1007	1078	1039
Barium	ppm	0	122	<1	16
Boron	ppm	5	1	30	4

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The copper level is severe. Bearing and/or bushing wear is indicated. High concentration of visible yellow metal present. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

Depot: BELBOU
Unique No: 10726656
Signed: Don Baldrige
Report Date: 06 Nov 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

