



CONSTRUCTION EQUIPMENT

SPM688428 SENNEBOGEN 835M 835.0.3000 - FRONT LEFT FINAL DRIVE



Sample No: VCP427245
Oil Type: GEAR OIL SAE 80W90
Job No: SPM688428



SAMPLE INFORMATION

Sample Number	VCP427245	VCP433298	VCP407606	VCP407616
Sample Date	22 Mar 2024	26 Oct 2023	25 May 2023	25 May 2023
Machine Hours	4647	4088	3007	3007
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	ABNORMAL	SEVERE	ABNORMAL	ABNORMAL

BELSON STEEL
1685 N STATE RTE 50
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F:

OIL CONDITION

Visc @ 40°C	cSt	142	151	187	183
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	5	9	14
Sodium	ppm	2	2	5	3
Potassium	ppm	<1	0	1	<1

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level has decreased, but is still abnormal. Bearing and/or bushing wear is indicated. 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	97	136	316	86
Copper	ppm	▲ 195	▲ 405	▲ 152	▲ 212
Lead	ppm	<1	4	<1	2
Tin	ppm	<1	0	0	0
Aluminum	ppm	5	10	6	8
Chromium	ppm	<1	<1	2	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	5	13	12	8
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	79	542	1661	2262
Magnesium	ppm	2	0	12	20
Zinc	ppm	86	445	789	1103
Phosphorus	ppm	378	573	1007	1078
Barium	ppm	0	0	122	<1
Boron	ppm	0	5	1	30

Depot: BELBOU
Unique No: 10990282
Signed: Don Baldrige
Report Date: 23 Apr 2024



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GRAPHS

