



CONSTRUCTION EQUIPMENT

SPM646181 SENNEBOGEN 835ME 835.0.2718 - FRONT LEFT FINAL DRIVE



Sample No: VCP433818
Oil Type: GEAR OIL SAE 80W90
Job No: SPM646181



SAMPLE INFORMATION

Sample Number	VCP433818	VCP415010	VCP423380	VCP399982
Sample Date	07 Dec 2023	12 Sep 2023	25 May 2023	28 Feb 2023
Machine Hours	8880	8383	7855	7325
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	ABNORMAL

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 1685 N STATE RTE 50
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OIL CONDITION

Visc @ 40°C	cSt	138	160	136	155
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CONTAMINATION

Water	%	0.074	NEG	NEG	NEG
Silicon	ppm	2	11	3	4
Sodium	ppm	1	10	<1	2
Potassium	ppm	1	4	1	0

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 abnormal. High concentration of visible metal present. 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	88	184	41	137
Copper	ppm	▲ 381	<1	▲ 174	▲ 352
Lead	ppm	4	0	2	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	13	3	6	13
Chromium	ppm	<1	6	0	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	12	6	6	12
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	57	47	652	345
Magnesium	ppm	2	2	9	5
Zinc	ppm	194	17	411	326
Phosphorus	ppm	618	290	1653	1681
Barium	ppm	0	0	0	<1
Boron	ppm	20	0	130	112

Depot: BELBOU
Unique No: 10793376
Signed: Jonathan Hester
Report Date: 20 Dec 2023



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GRAPHS

