



CONSTRUCTION EQUIPMENT

SPM646181 SENNEBOGEN 835ME 835.0.2718 - FRONT RIGHT FINAL DRIVE



Sample No: VCP433386
Oil Type: GEAR OIL SAE 80W90
Job No: SPM646181



SAMPLE INFORMATION

Sample Number	VCP433386	VCP415011	VCP423388	VCP399978
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

BELSON STEEL
1685 N STATE RTE 50
BOURBONNAIS, IL
US 60914
Contact: M. POZAN
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F:



OIL CONDITION

Visc @ 40°C	cSt	139	160	134	164
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	11	6	6
Sodium	ppm	1	11	<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	53	183	34	97
Copper	ppm	▲ 232	<1	▲ 125	▲ 205
Lead	ppm	2	0	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	7	3	4	8
Chromium	ppm	0	6	0	<1
Molybdenum	ppm	0	<1	<1	1
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	6	6	4	7
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	64	31	976	964
Magnesium	ppm	2	2	13	13
Zinc	ppm	95	8	508	443
Phosphorus	ppm	546	287	1557	1513
Barium	ppm	0	0	0	1
Boron	ppm	16	0	113	91

Depot: BELBOU
Unique No: 10793378
Signed: Jonathan Hester
Report Date: 20 Dec 2023



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VOLVO GRAPHS

