



CONSTRUCTION EQUIPMENT

SPM595860 SENNEBOGEN 835ME 835.0.2718 - FRONT LEFT FINAL DRIVE



Sample No: VCP415010
Oil Type: GEAR OIL SAE 80W90
Job No: SPM595860



SAMPLE INFORMATION

Sample Number	VCP415010	VCP423380	VCP399982	VCP360070
Sample Date	12 Sep 2023	25 May 2023	28 Feb 2023	19 Apr 2022
Machine Hours	8383	7855	7325	5222
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

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	160	136	155	146
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CONTAMINATION

Silicon	ppm	11	3	4	7
Sodium	ppm	10	<1	2	7
Potassium	ppm	4	1	0	1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	184	41	137	51
Copper	ppm	<1	▲ 174	▲ 352	58
Lead	ppm	0	2	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	3	6	13	2
Chromium	ppm	6	0	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	0	<1	1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	1
Manganese	ppm	6	6	12	2
Vanadium	ppm	0	0	0	<1

ADDITIVES

Calcium	ppm	47	652	345	435
Magnesium	ppm	2	9	5	10
Zinc	ppm	17	411	326	199
Phosphorus	ppm	290	1653	1681	1109
Barium	ppm	0	0	<1	0
Boron	ppm	0	130	112	75

Depot: BELBOU
Unique No: 10658488
Signed: Don Baldrige
Report Date: 22 Sep 2023



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GRAPHS

