



CONSTRUCTION EQUIPMENT

SPM593166 SENNEBOGEN 835M 835.0.2566 - REAR LEFT FINAL DRIVE



Sample No: VCP407986
Oil Type: GEAR OIL SAE 80W90
Job No: SPM593166



SAMPLE INFORMATION

Sample Number	VCP407986	VCP399814	VCP361327	VCP309765
Sample Date	04 Aug 2023	21 Feb 2023	19 Apr 2022	07 Dec 2021
Machine Hours	10070	8939	6814	5746
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

BELSON STEEL
 1685 N STATE RTE 50
 BOURBONNAIS, IL
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 F:



OIL CONDITION

Visc @ 40°C	cSt	185	167	140	146
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CONTAMINATION

Silicon	ppm	51	▲ 84	9	20
Sodium	ppm	1	5	0	1
Potassium	ppm	9	21	4	4

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. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	345	▲ 510	422	504
Copper	ppm	49	▲ 82	▲ 260	▲ 250
Lead	ppm	1	3	2	2
Tin	ppm	0	<1	0	<1
Aluminum	ppm	14	▲ 27	5	6
Chromium	ppm	4	6	2	3
Molybdenum	ppm	1	2	<1	<1
Nickel	ppm	1	<1	0	<1
Titanium	ppm	2	2	0	<1
Silver	ppm	0	0	1	<1
Manganese	ppm	9	15	9	9
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	2401	1450	485	296
Magnesium	ppm	41	67	8	6
Zinc	ppm	1036	547	334	258
Phosphorus	ppm	1072	1478	779	809
Barium	ppm	2	2	0	0
Boron	ppm	35	121	15	31

Depot: BELBOU
Unique No: 10602445
Signed: Sean Felton
Report Date: 14 Aug 2023

VOLVO **GRAPHS**

