



CONSTRUCTION EQUIPMENT

SPM673743 SENNEBOGEN 835ME 835.0.2845 - FRONT LEFT FINAL DRIVE



Sample No: VCP437167
Oil Type: GEAR OIL SAE 80W90
Job No: SPM673743



SAMPLE INFORMATION

Sample Number	VCP437167	VCP433164	VCP406548	VCP396933
Sample Date	07 Feb 2024	10 Nov 2023	04 Aug 2023	24 May 2023
Machine Hours	6681	6152	5542	5027
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

BELSON STEEL
 1685 N STATE RTE 50
 BOURBONNAIS, IL
 US 60914
 Contact: M. POZAN
 mpozan@belsonsteel.com
 T: (815)932-7416
 F:



OIL CONDITION

Visc @ 40°C	cSt	140	152	144	178
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	7	13	12
Sodium	ppm	1	5	2	4
Potassium	ppm	<1	2	<1	<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. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	73	175	109	289
Copper	ppm	7	19	38	32
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	<1	0	2	5
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	<1	8	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	3	2	5
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	64	199	335	1430
Magnesium	ppm	3	0	9	18
Zinc	ppm	24	104	182	644
Phosphorus	ppm	460	610	598	1184
Barium	ppm	1	0	9	18
Boron	ppm	4	12	10	35

Depot: BELBOU
Unique No: 10900231
Signed: Wes Davis
Report Date: 28 Feb 2024



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GRAPHS

