



CONSTRUCTION EQUIPMENT

SPM688436 SENNEBOGEN 835ME 835.0.3070 - FRONT LEFT FINAL DRIVE



Sample No: VCP427251
Oil Type: GEAR OIL SAE 80W90
Job No: SPM688436



SAMPLE INFORMATION

Sample Number	VCP427251	VCP421626	VCP411405	VCP402116
Sample Date	22 Mar 2024	11 Jan 2024	11 Aug 2023	20 Mar 2023
Machine Hours	3312	3166	2080	1076
Oil Hours	0	0	0	0
Oil Changed	Not Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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	197	171	150	183
-------------	-----	------------	-----	-----	-----

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	21	14	4	3
Sodium	ppm	2	4	6	8
Potassium	ppm	0	<1	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	91	195	226	76
Copper	ppm	44	▲ 56	▲ 72	▲ 75
Lead	ppm	<1	<1	<1	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	<1	3	3	3
Chromium	ppm	0	<1	1	<1
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	5	7	8
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	2156	1473	21	17
Magnesium	ppm	34	32	0	2
Zinc	ppm	978	631	56	90
Phosphorus	ppm	871	976	1018	1245
Barium	ppm	11	39	74	242
Boron	ppm	11	22	25	0

Depot: BELBOU
Unique No: 10990266
Signed: Don Baldrige
Report Date: 23 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

