



CONSTRUCTION EQUIPMENT

SPM593279 SENNEBOGEN 835ME 835.0.3070 - FRONT RIGHT FINAL DRIVE



Sample No: VCP411400
Oil Type: GEAR OIL SAE 80W90
Job No: SPM593279



SAMPLE INFORMATION

Sample Number	VCP411400	VCP402112	---	---
Sample Date	11 Aug 2023	20 Mar 2023	---	---
Machine Hours	2080	1076	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	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	█ 151	█ 184	---	---
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CONTAMINATION

Silicon	ppm	█ 5	█ 4	---	---
Sodium	ppm	█ 10	█ 10	---	---
Potassium	ppm	█ 1	█ 1	---	---



WEAR METALS

Iron	ppm	█ 214	█ 63	---	---
Copper	ppm	▲ 80	▲ 60	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 3	█ 3	---	---
Chromium	ppm	█ 2	█ <1	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 8	█ 7	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 33	█ 25	---	---
Magnesium	ppm	█ 0	█ 2	---	---
Zinc	ppm	█ 58	█ 81	---	---
Phosphorus	ppm	█ 1369	█ 1264	---	---
Barium	ppm	█ 111	█ 233	---	---
Boron	ppm	█ 32	0	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other 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.

Depot: BELBOU
Unique No: 10616406
Signed: Don Baldrige
Report Date: 23 Aug 2023



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GRAPHS

