



CONSTRUCTION EQUIPMENT

SPM674034 SENNEBOGEN 835E 835.0.3239 - FRONT RIGHT FINAL DRIVE



Sample No: VCP429207
Oil Type: GEAR OIL SAE 80W90
Job No: SPM674034



SAMPLE INFORMATION

Sample Number	VCP429207	---	---	---
Sample Date	15 Feb 2024	---	---	---
Machine Hours	991	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

BELSON STEEL

1685 N STATE RTE 50
BOURBONNAIS, IL
US 60914
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F:



OIL CONDITION

Visc @ 40°C	cSt	█ 139	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 10	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The copper level is severe. Moderate concentration of visible metal present. 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	█ 275	---	---	---
Copper	ppm	▲ 503	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 12	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 20	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 19	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 321	---	---	---
Phosphorus	ppm	█ 1836	---	---	---
Barium	ppm	█ 5	---	---	---
Boron	ppm	█ 88	---	---	---

Depot: BELBOU
Unique No: 10900221
Signed: Jonathan Hester
Report Date: 29 Feb 2024



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GRAPHS

