



# CONSTRUCTION EQUIPMENT

## SPM633652 SENNEBOGEN 835ME 835.0.2845 - REAR AXLE



**Sample No:** VCP433163  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM633652



### SAMPLE INFORMATION

Sample Number	<b>VCP433163</b>	VCP406646	VCP399521	VCP400519
Sample Date	<b>10 Nov 2023</b>	04 Aug 2023	24 May 2023	22 Mar 2023
Machine Hours	<b>6152</b>	5542	5027	4535
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**BELSON STEEL**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>136</b>	143	191	195
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	5	19	28
Sodium	ppm	<b>3</b>	0	<1	<1
Potassium	ppm	<b>5</b>	<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	<b>7</b>	43	26	8
Copper	ppm	<b>3</b>	11	15	2
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>0</b>	<1	5	1
Chromium	ppm	<b>0</b>	<1	0	<1
Molybdenum	ppm	<b>0</b>	<1	<1	2
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	0	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>25</b>	145	2068	2624
Magnesium	ppm	<b>0</b>	5	32	34
Zinc	ppm	<b>8</b>	71	973	1135
Phosphorus	ppm	<b>484</b>	477	959	990
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>4</b>	5	13	2

**Depot:** BELBOU  
**Unique No:** 10777965  
**Signed:** Wes Davis  
**Report Date:** 09 Dec 2023



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## GRAPHS

