



# CONSTRUCTION EQUIPMENT

SPM633652 SENNEBOGEN 835ME 835.0.2845 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP433442  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM633652



## SAMPLE INFORMATION

Sample Number	<b>VCP433442</b>	VCP406643	VCP407626	VCP400520
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	ABNORMAL	ABNORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>145</b>	150	184	185
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	12	15	20
Sodium	ppm	<b>4</b>	2	1	2
Potassium	ppm	<b>5</b>	<1	0	<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>143</b>	151	129	125
Copper	ppm	<b>43</b>	16	▲ 94	▲ 84
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>&lt;1</b>	2	5	4
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>0</b>	<1	0	2
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>&lt;1</b>	6	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>3</b>	3	4	4
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>312</b>	212	1802	1917
Magnesium	ppm	<b>0</b>	8	23	23
Zinc	ppm	<b>171</b>	111	824	899
Phosphorus	ppm	<b>620</b>	563	1090	1207
Barium	ppm	<b>0</b>	9	8	30
Boron	ppm	<b>10</b>	7	23	27

**Depot:** BELBOU  
**Unique No:** 10777963  
**Signed:** Don Baldrige  
**Report Date:** 10 Dec 2023



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## GRAPHS

