



# CONSTRUCTION EQUIPMENT

SPM673743 SENNEBOGEN 835ME 835.0.2845 - FRONT AXLE



**Sample No:** VCP437150  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM673743



## SAMPLE INFORMATION

Sample Number	<b>VCP437150</b>	VCP433172	VCP406642	VCP396703
Sample Date	<b>07 Feb 2024</b>	10 Nov 2023	04 Aug 2023	24 May 2023
Machine Hours	<b>6681</b>	6152	5542	5027
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

**BELSON STEEL**  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>140</b>	136	137	195
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	3	5	21
Sodium	ppm	<b>&lt;1</b>	3	2	<1
Potassium	ppm	<b>&lt;1</b>	6	<1	0

## 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>50</b>	11	13	4
Copper	ppm	<b>10</b>	3	3	1
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>0</b>	0	<1	5
Chromium	ppm	<b>0</b>	0	<1	0
Molybdenum	ppm	<b>0</b>	0	<1	<1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	0
Vanadium	ppm	<b>0</b>	<1	0	0



## ADDITIVES

Calcium	ppm	<b>90</b>	29	65	2284
Magnesium	ppm	<b>4</b>	0	6	35
Zinc	ppm	<b>34</b>	11	31	1060
Phosphorus	ppm	<b>497</b>	486	692	884
Barium	ppm	<b>0</b>	0	2	0
Boron	ppm	<b>5</b>	4	6	5

**Depot:** BELBOU  
**Unique No:** 10900235  
**Signed:** Wes Davis  
**Report Date:** 28 Feb 2024



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## GRAPHS

