



# CONSTRUCTION EQUIPMENT

SPM593192 SENNEBOGEN 835ME 835.0.2845 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP406548  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM593192



## SAMPLE INFORMATION

Sample Number	<b>VCP406548</b>	VCP396933	VCP400517	VCP378910
Sample Date	<b>04 Aug 2023</b>	24 May 2023	22 Mar 2023	23 May 2022
Machine Hours	<b>5542</b>	5027	4535	2518
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

### BELSON STEEL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>144</b>	178	182	183
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## CONTAMINATION

Silicon	ppm	<b>13</b>	12	21	8
Sodium	ppm	<b>2</b>	4	5	15
Potassium	ppm	<b>&lt;1</b>	<1	1	2



## WEAR METALS

Iron	ppm	<b>109</b>	289	333	▲ 1087
Copper	ppm	<b>38</b>	32	38	▲ 144
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	5	3	7
Chromium	ppm	<b>&lt;1</b>	0	1	5
Molybdenum	ppm	<b>&lt;1</b>	0	2	2
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>8</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	5	7	27
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>335</b>	1430	1670	173
Magnesium	ppm	<b>9</b>	18	19	5
Zinc	ppm	<b>182</b>	644	758	199
Phosphorus	ppm	<b>598</b>	1184	1271	1136
Barium	ppm	<b>9</b>	18	43	247
Boron	ppm	<b>10</b>	35	30	6

## 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.

**Depot:** BELBOU  
**Unique No:** 10602475  
**Signed:** Don Baldrige  
**Report Date:** 14 Aug 2023



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## GRAPHS

