



# CONSTRUCTION EQUIPMENT

SPM595860 SENNEBOGEN 835ME 835.0.2718 - FRONT AXLE



**Sample No:** VCP415013  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM595860



## SAMPLE INFORMATION

Sample Number	<b>VCP415013</b>	VCP423377	VCP399988	VCP361312
Sample Date	<b>12 Sep 2023</b>	25 May 2023	28 Feb 2023	19 Apr 2022
Machine Hours	<b>8383</b>	7855	7325	5222
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### BELSON STEEL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>159</b>	145	151	191
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## CONTAMINATION

Silicon	ppm	<b>12</b>	2	2	10
Sodium	ppm	<b>10</b>	0	1	0
Potassium	ppm	<b>4</b>	<1	0	2



## WEAR METALS

Iron	ppm	<b>187</b>	1	4	9
Copper	ppm	<b>&lt;1</b>	<1	3	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>3</b>	0	<1	1
Chromium	ppm	<b>6</b>	0	0	0
Molybdenum	ppm	<b>&lt;1</b>	0	0	3
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>6</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>43</b>	137	4	3178
Magnesium	ppm	<b>2</b>	3	<1	38
Zinc	ppm	<b>15</b>	64	3	1132
Phosphorus	ppm	<b>297</b>	1838	1738	911
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	162	97	8

## 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. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

**Depot:** BELBOU  
**Unique No:** 10658477  
**Signed:** Don Baldrige  
**Report Date:** 22 Sep 2023



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## GRAPHS

