



# CONSTRUCTION EQUIPMENT

## SPM621711 BL DUKE SENNEBOGEN 835ME 835.0.2810 - REAR DIFFERENTIAL



**Sample No:** VCP416905  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM621711 BL DUKE



### SAMPLE INFORMATION

Sample Number	<b>VCP416905</b>	VCP397538	VCP364738	VCP377118
Sample Date	<b>18 Oct 2023</b>	28 Feb 2023	15 Aug 2022	26 May 2022
Machine Hours	<b>6955</b>	5387	4111	3501
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>199</b>	200	189	187
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### CONTAMINATION

Silicon	ppm	<b>11</b>	21	5	5
Sodium	ppm	<b>2</b>	1	4	4
Potassium	ppm	<b>0</b>	<1	<1	0



### WEAR METALS

Iron	ppm	<b>79</b>	194	176	198
Copper	ppm	<b>14</b>	▲ 430	53	50
Lead	ppm	<b>0</b>	6	1	<1
Tin	ppm	<b>0</b>	▲ 6	<1	<1
Aluminum	ppm	<b>0</b>	2	3	1
Chromium	ppm	<b>0</b>	2	1	1
Molybdenum	ppm	<b>0</b>	2	<1	<1
Nickel	ppm	<b>0</b>	<1	1	<1
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	<1	0	<1
Manganese	ppm	<b>&lt;1</b>	2	4	4
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>2615</b>	2014	339	317
Magnesium	ppm	<b>13</b>	17	5	4
Zinc	ppm	<b>1167</b>	821	198	160
Phosphorus	ppm	<b>985</b>	792	1028	1023
Barium	ppm	<b>20</b>	0	289	295
Boron	ppm	<b>0</b>	24	4	5

### 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:** VOLVO8885  
**Unique No:** 10738467  
**Signed:** Sean Felton  
**Report Date:** 14 Nov 2023



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## GRAPHS

