



# CONSTRUCTION EQUIPMENT

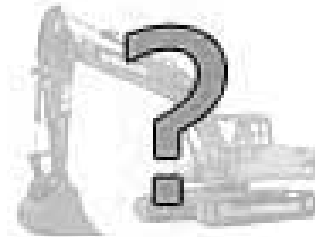
## SPM593166 SENNEBOGEN 835M 835.0.2566 - LEFT SWING DRIVE



**Sample No:** VCP409272

**Oil Type:** SHELL 220

**Job No:** SPM593166



### SAMPLE INFORMATION

Sample Number	<b>VCP409272</b>	VCP379084	VCP360034	VCP343326
Sample Date	<b>04 Aug 2023</b>	25 Jul 2022	19 Apr 2022	07 Dec 2021
Machine Hours	<b>10070</b>	7543	6814	5746
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

**BELSON STEEL**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>207</b>	189	190	212
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### CONTAMINATION

Water	%	<b>0.159</b>	---	0.635	0.324
Silicon	ppm	<b>25</b>	10	18	20
Sodium	ppm	<b>0</b>	0	<1	<1
Potassium	ppm	<b>&lt;1</b>	1	2	<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>215</b>	58	153	164
Copper	ppm	<b>115</b>	104	161	246
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>7</b>	5	10	9
Aluminum	ppm	<b>&lt;1</b>	2	2	1
Chromium	ppm	<b>1</b>	<1	1	2
Molybdenum	ppm	<b>&lt;1</b>	3	3	1
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	<1	<1	1
Manganese	ppm	<b>2</b>	<1	2	2
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>734</b>	2961	3009	1930
Magnesium	ppm	<b>12</b>	32	39	14
Zinc	ppm	<b>299</b>	1134	1157	862
Phosphorus	ppm	<b>528</b>	894	936	768
Barium	ppm	<b>1</b>	<1	0	0
Boron	ppm	<b>3</b>	12	14	17

**Depot:** BELBOU  
**Unique No:** 10602443  
**Signed:** Don Baldrige  
**Report Date:** 14 Aug 2023



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## VOLVO GRAPHS

