



# CONSTRUCTION EQUIPMENT

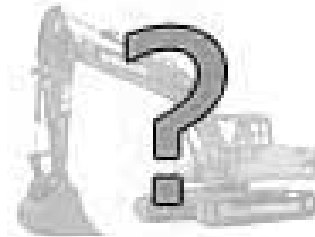
## SPM581201 SENNEBOGEN 835ME 835.0.2266 - RIGHT SWING DRIVE



**Sample No:** VCP422977

**Oil Type:** SHELL 220

**Job No:** SPM581201



### SAMPLE INFORMATION

Sample Number	<b>VCP422977</b>	VCP422524	VCP388590	VCP382125
Sample Date	<b>11 Aug 2023</b>	09 May 2023	09 Mar 2023	28 Feb 2023
Machine Hours	<b>19533</b>	19009	18581	18581
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	SEVERE

### SIMS METAL MANAGEMENT

2500 S. PAULINA  
CHICAGO, IL  
US 60608  
Contact: RYAN WISE  
ryan.wise@simsmm.com  
T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>196</b>	195	202	196
-------------	-----	------------	-----	-----	-----



### CONTAMINATION

Water	%	<b>0.221</b>	---	---	---
Silicon	ppm	<b>28</b>	24	29	22
Sodium	ppm	<b>0</b>	0	0	1
Potassium	ppm	<b>1</b>	1	2	1



### WEAR METALS

Iron	ppm	<b>108</b>	46	122	195
Copper	ppm	<b>206</b>	115	81	428
Lead	ppm	<b>19</b>	9	8	6
Tin	ppm	<b>10</b>	4	3	7
Aluminum	ppm	<b>1</b>	<1	3	2
Chromium	ppm	<b>1</b>	<1	<1	2
Molybdenum	ppm	<b>3</b>	2	3	2
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>1</b>	<1	1	2
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>3315</b>	2930	3103	2007
Magnesium	ppm	<b>44</b>	45	49	19
Zinc	ppm	<b>1141</b>	1076	1088	819
Phosphorus	ppm	<b>1015</b>	872	879	782
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>23</b>	10	16	22

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** SIMCHIL  
**Unique No:** 10616410  
**Signed:** Don Baldrige  
**Report Date:** 24 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

