



# CONSTRUCTION EQUIPMENT

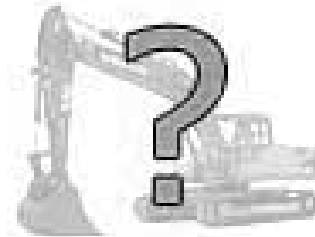
## SENNEBOGAN 835M 835.0.2195 - LEFT SWING DRIVE



**Sample No:** VCP401718

**Oil Type:** SHELL 220

**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP401718</b>	VCP418536	VCP404101	VCP343318
Sample Date	<b>02 Aug 2023</b>	02 May 2023	03 Apr 2023	24 Aug 2022
Machine Hours	<b>18054</b>	17623	17516	16508
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Not Chngd
Sample Status	<b>SEVERE</b>	ABNORMAL	SEVERE	ABNORMAL

### 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>224</b>	189	206	206
-------------	-----	------------	-----	-----	-----



### CONTAMINATION

Water	%	<b>0.487</b>	0.279	1.80	0.473
Silicon	ppm	<b>28</b>	32	22	32
Sodium	ppm	<b>2</b>	2	<1	0
Potassium	ppm	<b>&lt;1</b>	2	<1	1

### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate concentration of water present in the oil. Excessive free water present. The oil is no longer serviceable due to the presence of contaminants.



### WEAR METALS

Iron	ppm	<b>52</b>	53	212	173
Copper	ppm	<b>104</b>	78	264	194
Lead	ppm	<b>4</b>	5	19	9
Tin	ppm	<b>2</b>	3	14	7
Aluminum	ppm	<b>&lt;1</b>	1	2	4
Chromium	ppm	<b>&lt;1</b>	<1	2	2
Molybdenum	ppm	<b>&lt;1</b>	3	1	1
Nickel	ppm	<b>&lt;1</b>	<1	1	0
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>2</b>	0	0	1
Manganese	ppm	<b>&lt;1</b>	<1	2	2
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>141</b>	3456	1978	1895
Magnesium	ppm	<b>2</b>	64	14	9
Zinc	ppm	<b>155</b>	1259	884	878
Phosphorus	ppm	<b>529</b>	1044	714	700
Barium	ppm	<b>2</b>	0	0	0
Boron	ppm	<b>0</b>	9	11	13

**Depot:** SIMCHIL  
**Unique No:** 10602425  
**Signed:** Don Baldrige  
**Report Date:** 14 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

