



CONSTRUCTION EQUIPMENT

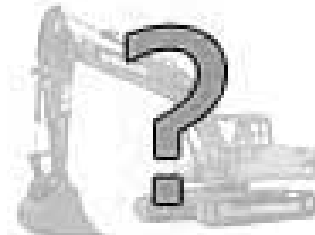
SPM581453 SENNEBOGAN 835M 835.0.2 195 - RIGHT SWING DRIVE



Sample No: VCP401723

Oil Type: SHELL 220

Job No: SPM581453



SAMPLE INFORMATION

Sample Number	VCP401723	VCP418592	VCP404241	VCP343313
Sample Date	02 Aug 2023	02 May 2023	03 Apr 2023	24 Aug 2022
Machine Hours	18054	17623	17516	16508
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	SEVERE	SEVERE	SEVERE	SEVERE

SIMS METAL MANAGEMENT

2500 S. PAULINA
CHICAGO, IL
US 60608

Contact: RYAN WISE
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OIL CONDITION

Visc @ 40°C	cSt	220	205	147	176
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CONTAMINATION

Water	%	0.160	1.25	3.34	1.25
Silicon	ppm	20	18	18	20
Sodium	ppm	<1	<1	0	0
Potassium	ppm	1	<1	0	<1



WEAR METALS

Iron	ppm	173	19	211	178
Copper	ppm	52	60	572	597
Lead	ppm	2	4	22	18
Tin	ppm	1	2	15	10
Aluminum	ppm	2	<1	2	2
Chromium	ppm	2	<1	2	1
Molybdenum	ppm	<1	2	<1	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	2	<1	2	1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	82	2625	1381	1691
Magnesium	ppm	2	46	12	9
Zinc	ppm	89	1070	721	821
Phosphorus	ppm	350	763	563	657
Barium	ppm	0	0	0	0
Boron	ppm	0	6	12	14

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. Excessive free water present. The oil is no longer serviceable due to the presence of contaminants.

Depot: SIMCHIL
Unique No: 10602424
Signed: Don Baldrige
Report Date: 14 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

