



CONSTRUCTION EQUIPMENT

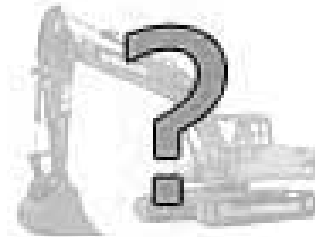
SPM593192 SENNEBGEN 835ME 835.0.2845 - RIGHT SWING DRIVE



Sample No: VCP406648

Oil Type: SHELL 220

Job No: SPM593192



SAMPLE INFORMATION

Sample Number	VCP406648	VCP400516	VCP378906	VCP333486
Sample Date	04 Aug 2023	22 Mar 2023	23 May 2022	11 Jan 2022
Machine Hours	5542	4535	2518	1444
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	ABNORMAL	ABNORMAL

BELSON STEEL

1685 N STATE RTE 50
BOURBONNAIS, IL
US 60914

Contact: M. POZAN
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F:



OIL CONDITION

Visc @ 40°C	cSt	223	222	210	220
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CONTAMINATION

Water	%	---	0.050	---	0.523
Silicon	ppm	20	21	4	5
Sodium	ppm	<1	<1	0	2
Potassium	ppm	<1	1	2	2



WEAR METALS

Iron	ppm	392	268	707	631
Copper	ppm	103	75	182	94
Lead	ppm	0	0	<1	<1
Tin	ppm	12	8	19	11
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	3	2	4	4
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	0	1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	4	3	7	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	42	57	217	7
Magnesium	ppm	<1	1	3	<1
Zinc	ppm	70	66	198	120
Phosphorus	ppm	395	476	425	416
Barium	ppm	1	0	0	0
Boron	ppm	5	3	18	29

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The tin level is abnormal. All other 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: BELBOU
Unique No: 10602441
Signed: Sean Felton
Report Date: 14 Aug 2023



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GRAPHS

