



CONSTRUCTION EQUIPMENT

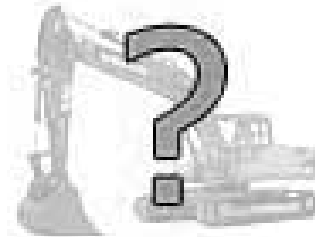
SPM595860 SENNEBOGEN 835ME 835.0.2718 - LEFT SWING DRIVE



Sample No: VCP415012

Oil Type: SHELL 220

Job No: SPM595860



SAMPLE INFORMATION

Sample Number	VCP415012	VCP423381	VCP399961	VCP358252
Sample Date	12 Sep 2023	25 May 2023	28 Feb 2023	06 Jul 2022
Machine Hours	8383	7855	7325	5783
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	N/A
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

BELSON STEEL
 1685 N STATE RTE 50
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OIL CONDITION

Visc @ 40°C	cSt	221	212	214	194
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CONTAMINATION

Water	%	---	0.090	0.584	---
Silicon	ppm	24	11	26	21
Sodium	ppm	0	0	<1	<1
Potassium	ppm	<1	1	<1	<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	86	102	146	159
Copper	ppm	99	82	94	558
Lead	ppm	<1	0	0	1
Tin	ppm	5	3	6	15
Aluminum	ppm	1	0	1	2
Chromium	ppm	<1	<1	1	2
Molybdenum	ppm	0	0	<1	2
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	2
Manganese	ppm	<1	<1	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	182	67	456	2129
Magnesium	ppm	2	4	11	17
Zinc	ppm	129	59	206	846
Phosphorus	ppm	468	393	531	778
Barium	ppm	0	0	0	0
Boron	ppm	3	0	5	12

Depot: BELBOU
Unique No: 10658492
Signed: Don Baldrige
Report Date: 22 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

