



CONSTRUCTION EQUIPMENT

SPM593166 SENNEBOGEN 835M 835.0.2566 - RIGHT SWING DRIVE



Sample No: VCP423202

Oil Type: SHELL 220

Job No: SPM593166



SAMPLE INFORMATION

Sample Number	VCP423202	VCP379080	VCP358389	VCP320694
Sample Date	04 Aug 2023	25 Jul 2022	19 Apr 2022	07 Dec 2021
Machine Hours	10070	7543	6814	5746
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	NORMAL	ABNORMAL



BELSON STEEL
 1685 N STATE RTE 50
 BOURBONNAIS, IL
 US 60914
 Contact: M. POZAN
 mpozan@belsonsteel.com
 T: (815)932-7416
 F:



OIL CONDITION

Visc @ 40°C	cSt	214	189	189	207
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CONTAMINATION

Water	%	0.292	0.271	---	---
Silicon	ppm	24	15	18	24
Sodium	ppm	1	0	0	<1
Potassium	ppm	<1	2	1	<1



WEAR METALS

Iron	ppm	214	106	104	141
Copper	ppm	165	156	157	346
Lead	ppm	0	0	0	<1
Tin	ppm	13	14	12	17
Aluminum	ppm	<1	2	2	2
Chromium	ppm	2	1	<1	1
Molybdenum	ppm	<1	3	3	1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	1	1
Manganese	ppm	2	1	1	1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	272	2946	2896	2123
Magnesium	ppm	7	32	33	13
Zinc	ppm	183	1123	1099	938
Phosphorus	ppm	454	904	908	813
Barium	ppm	1	1	0	0
Boron	ppm	2	16	11	15

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The tin level is abnormal. All other component wear rates are normal. Appearance is milky. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: BELBOU
Unique No: 10602456
Signed: Don Baldrige
Report Date: 14 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

