



CONSTRUCTION EQUIPMENT

SPM593192 SENNEBOGEN 835ME 835.0.2845 - FRONT AXLE



Sample No: VCP406642
Oil Type: GEAR OIL SAE 80W90
Job No: SPM593192



SAMPLE INFORMATION

Sample Number	VCP406642	VCP396703	VCP400518	VCP378905
Sample Date	04 Aug 2023	24 May 2023	22 Mar 2023	23 May 2022
Machine Hours	5542	5027	4535	2518
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

BELSON STEEL

1685 N STATE RTE 50
BOURBONNAIS, IL
US 60914
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OIL CONDITION

Visc @ 40°C	cSt	137	195	195	184
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CONTAMINATION

Silicon	ppm	5	21	27	5
Sodium	ppm	2	<1	<1	2
Potassium	ppm	<1	0	<1	<1



WEAR METALS

Iron	ppm	13	4	5	45
Copper	ppm	3	1	2	29
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	<1	5	1	0
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	<1	2	0
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	65	2284	2569	6
Magnesium	ppm	6	35	33	<1
Zinc	ppm	31	1060	1109	20
Phosphorus	ppm	692	884	982	1177
Barium	ppm	2	0	0	356
Boron	ppm	6	5	2	4

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: BELBOU
Unique No: 10602455
Signed: Sean Felton
Report Date: 14 Aug 2023



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GRAPHS

