



CONSTRUCTION EQUIPMENT

SPM701405 SENNEBOGEN 835ME 835.0.2718 - REAR LEFT FINAL DRIVE



Sample No: VCP443536
Oil Type: GEAR OIL SAE 80W90
Job No: SPM701405



SAMPLE INFORMATION

Sample Number	VCP443536	VCP433817	VCP415008	VCP423389
Sample Date	12 Apr 2024	07 Dec 2023	12 Sep 2023	25 May 2023
Machine Hours	9760	8880	8383	7855
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

BELSON STEEL
1685 N STATE RTE 50
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F:



OIL CONDITION

Visc @ 40°C	cSt	138	137	159	145
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	2	11	2
Sodium	ppm	0	<1	11	0
Potassium	ppm	0	<1	4	<1

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The copper level is abnormal. High concentration of visible metal present. 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.



WEAR METALS

Iron	ppm	38	40	186	9
Copper	ppm	125	20	<1	6
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	<1	3	0
Chromium	ppm	0	0	6	0
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	1	6	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	16	39	58	143
Magnesium	ppm	2	<1	2	4
Zinc	ppm	44	23	17	71
Phosphorus	ppm	490	653	288	1871
Barium	ppm	0	0	0	0
Boron	ppm	7	20	0	169

Depot: BELBOU
Unique No: 10996151
Signed: Jonathan Hester
Report Date: 30 Apr 2024



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GRAPHS

