



CONSTRUCTION EQUIPMENT

SPM621713 BL DUKE SENNEBOGEN 835M 835.0.2811 - FRONT RIGHT FINAL DRIVE



Sample No: VCP423286
Oil Type: GEAR OIL SAE 80W90
Job No: SPM621713 BL DUKE



SAMPLE INFORMATION

Sample Number	VCP423286	VCP422998	VCP406058	VCP366898
Sample Date	18 Oct 2023	04 May 2023	01 Mar 2023	16 Aug 2022
Machine Hours	5187	4011	3580	2155
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	ABNORMAL

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5000 INDUSTRIAL HWY
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F:



OIL CONDITION

Visc @ 40°C	cSt	189	197	129	185
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CONTAMINATION

Water	%	---	▲ 0.208	---	---
Silicon	ppm	24	14	1	7
Sodium	ppm	2	5	0	10
Potassium	ppm	0	1	1	0

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	371	305	6	▲ 582
Copper	ppm	43	▲ 60	1	▲ 103
Lead	ppm	0	<1	0	2
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	3	1	6
Chromium	ppm	0	2	0	3
Molybdenum	ppm	1	1	3	1
Nickel	ppm	0	<1	0	1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	6	8	<1	16
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2406	1479	102	332
Magnesium	ppm	51	11	49	6
Zinc	ppm	1034	834	106	245
Phosphorus	ppm	879	862	951	1020
Barium	ppm	22	63	0	243
Boron	ppm	2	4	211	5

Depot: VOLVO8885
Unique No: 10738432
Signed: Sean Felton
Report Date: 14 Nov 2023



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GRAPHS

