



CONSTRUCTION EQUIPMENT

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



Sample No: VCP423288
Oil Type: GEAR OIL SAE 80W90
Job No: SPM621713 BL DUKE



SAMPLE INFORMATION

Sample Number	VCP423288	VCP410625	VCP406092	VCP366900
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	ABNORMAL	ABNORMAL	NORMAL	ABNORMAL

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5000 INDUSTRIAL HWY
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F:

OIL CONDITION

Visc @ 40°C	cSt	193	200	126	188
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CONTAMINATION

Water	%	---	▲ 0.247	---	---
Silicon	ppm	25	17	2	9
Sodium	ppm	1	3	0	7
Potassium	ppm	0	1	1	<1

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. 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	310	381	4	▲ 588
Copper	ppm	▲ 73	▲ 93	1	▲ 306
Lead	ppm	0	<1	0	5
Tin	ppm	0	0	<1	<1
Aluminum	ppm	2	4	1	11
Chromium	ppm	0	2	0	3
Molybdenum	ppm	2	1	7	<1
Nickel	ppm	0	<1	0	1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	5
Manganese	ppm	6	10	<1	20
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	2497	1754	183	458
Magnesium	ppm	52	13	106	8
Zinc	ppm	1086	982	195	433
Phosphorus	ppm	884	830	929	980
Barium	ppm	10	30	0	220
Boron	ppm	4	4	176	4

Depot: VOLVO8885
Unique No: 10738440
Signed: Sean Felton
Report Date: 14 Nov 2023



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VOLVO GRAPHS

