



CONSTRUCTION EQUIPMENT

SPM605741 BL DUKE SENNEBOGEN 835ME 835.0.2813 - LEFT SWING DRIVE



Sample No: VCP415201
Oil Type: SHELL OMALA 220
Job No: SPM605741 BL DUKE



SAMPLE INFORMATION

Sample Number	VCP415201	VCP399112	VCP375889	VCP358674
Sample Date	12 Sep 2023	04 Jan 2023	01 Jul 2022	06 May 2022
Machine Hours	5520	4103	3021	2638
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ATTENTION	ABNORMAL	NORMAL	NORMAL

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5000 INDUSTRIAL HWY
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US 46406
Contact: DAVE ENG
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F:



OIL CONDITION

Visc @ 40°C	cSt	▲ 160	■ 200	■ 200	■ 199
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CONTAMINATION

Silicon	ppm	■ 25	■ 23	■ 16	■ 19
Sodium	ppm	■ 10	■ 0	■ 0	■ <1
Potassium	ppm	■ 5	■ 0	■ 0	■ 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 oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	■ 188	■ 114	■ 100	■ 65
Copper	ppm	■ <1	▲ 227	■ 97	■ 109
Lead	ppm	■ <1	■ 4	■ <1	■ <1
Tin	ppm	■ 0	■ 6	■ 3	■ 4
Aluminum	ppm	■ 8	■ <1	■ 2	■ 2
Chromium	ppm	■ 6	■ <1	■ <1	■ <1
Molybdenum	ppm	■ <1	■ 1	■ 1	■ 1
Nickel	ppm	■ <1	■ <1	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	■ 6	■ 1	■ 1	■ <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 44	■ 1993	■ 2010	■ 2239
Magnesium	ppm	■ 10	■ 13	■ 15	■ 16
Zinc	ppm	■ 15	■ 900	■ 877	■ 980
Phosphorus	ppm	■ 288	■ 718	■ 694	■ 814
Barium	ppm	■ 0	■ 0	■ 4	■ 0
Boron	ppm	■ 1	■ 5	■ 0	■ 8

Depot: VOLVO8885
Unique No: 10658503
Signed: Don Baldridge
Report Date: 22 Sep 2023



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VOLVO GRAPHS

