



CONSTRUCTION EQUIPMENT

SPM703240 BL DUKE SENNEBOGEN 835ME 835.0.2810 - LEFT SWING DRIVE



Sample No: VCP446933
Oil Type: GEAR OIL SAE 80W90
Job No: SPM703240 BL DUKE



SAMPLE INFORMATION

Sample Number	VCP446933	VCP416914	VCP383250	VCP388562
Sample Date	03 May 2024	09 Nov 2023	09 Mar 2023	28 Feb 2023
Machine Hours	7652	6955	5516	5387
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	SEVERE	SEVERE	ABNORMAL	NORMAL

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5000 INDUSTRIAL HWY
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OIL CONDITION

Visc @ 40°C	cSt	171	200	205	194
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CONTAMINATION

Water	%	▲ 1.82	▲ 1.75	NEG	NEG
Silicon	ppm	■ 21	■ 30	■ 13	■ 14
Sodium	ppm	■ 1	■ 0	■ 0	■ 2
Potassium	ppm	■ 0	■ 1	■ 2	■ <1

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. There is a high concentration of water present in the oil. There is a moderate amount of visible silt present in the sample. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	■ 76	■ 65	■ 118	■ 107
Copper	ppm	▲ 139	■ 77	▲ 185	■ 138
Lead	ppm	■ <1	■ 2	■ <1	■ 0
Tin	ppm	▲ 10	■ 7	▲ 11	■ 6
Aluminum	ppm	■ <1	■ 1	■ 2	■ 2
Chromium	ppm	■ <1	■ <1	■ <1	■ <1
Molybdenum	ppm	■ 2	■ 3	■ 2	■ 1
Nickel	ppm	■ 0	■ <1	■ 0	■ <1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	■ <1	■ <1	■ 1	■ 1
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	■ 2205	■ 2794	■ 2714	■ 2882
Magnesium	ppm	■ 43	■ 0	■ 18	■ 26
Zinc	ppm	■ 848	■ 1221	■ 1102	■ 1166
Phosphorus	ppm	■ 840	■ 925	■ 921	■ 970
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 4	■ 15	■ 8	■ 8

Depot: VOLVO8885
Unique No: 11030474
Signed: Sean Felton
Report Date: 16 May 2024



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GRAPHS

