



CONSTRUCTION EQUIPMENT

SPM634237 MIDWEST SENNEBOGEN 825M 825.0.3853 - DIESEL ENGINE



Sample No: VCP429077
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM634237 MIDWEST



SAMPLE INFORMATION

Sample Number	VCP429077	VCP419510	---	---
Sample Date	10 Nov 2023	25 Jul 2023	---	---
Machine Hours	1073	636	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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5000 INDUSTRIAL HWY
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	▲ 10.8	---	---
Base Number (BN)	mg KOH/g	█ 8.2	█ 7.7	---	---
Oxidation (PA)	%	65	73	---	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.2	---	---
Nitration (PA)	%	55	65	---	---
Sulfation (PA)	%	54	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	▲ 2.4	---	---
Silicon	ppm	█ 4	█ 23	---	---
Sodium	ppm	█ 0	█ 0	---	---
Potassium	ppm	█ 2	█ 2	---	---



WEAR METALS

Iron	ppm	█ 10	█ 21	---	---
Copper	ppm	█ 3	█ 15	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 2	█ 1	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 67	█ 64	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ 0	█ 3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1161	█ 1713	---	---
Magnesium	ppm	█ 981	█ 395	---	---
Zinc	ppm	█ 1298	█ 1181	---	---
Phosphorus	ppm	█ 1098	█ 975	---	---
Barium	ppm	█ 0	█ 7	---	---
Boron	ppm	█ 5	█ 135	---	---

Depot: VOLVO8885
Unique No: 10766820
Signed: Wes Davis
Report Date: 01 Dec 2023



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GRAPHS

