



CONSTRUCTION EQUIPMENT

SPM608251 AMG RES SENNEBOGEN 835 835.0.2022 - DIESEL ENGINE



Sample No: VCP427367
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM608251 AMG RES



SAMPLE INFORMATION

Sample Number	VCP427367	VCP388587	---	---
Sample Date	19 Oct 2023	16 Sep 2022	---	---
Machine Hours	15169	11642	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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5000 INDUSTRIAL HWY
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	█ 13.0	---	---
Base Number (BN)	mg KOH/g	█ 6.5	█ 8.4	---	---
Oxidation (PA)	%	162	114	---	---

CONTAMINATION

Soot %	%	█ 1.5	█ 1.1	---	---
Nitration (PA)	%	164	138	---	---
Sulfation (PA)	%	91	76	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 8	█ 7	---	---
Sodium	ppm	█ 13	█ 7	---	---
Potassium	ppm	█ 5	█ 0	---	---

Diagnosis

Oil and filter 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. Cylinder, crank, or cam shaft wear is indicated. 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 acceptable for the time in service.

WEAR METALS

Iron	ppm	▲ 114	█ 54	---	---
Copper	ppm	█ 3	█ 6	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 7	█ 3	---	---
Chromium	ppm	█ 5	█ 2	---	---
Molybdenum	ppm	█ 59	█ 61	---	---
Nickel	ppm	█ 1	█ <1	---	---
Titanium	ppm	█ <1	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 1	---	---
Vanadium	ppm	<1	<1	---	---

ADDITIVES

Calcium	ppm	█ 991	█ 1028	---	---
Magnesium	ppm	█ 942	█ 950	---	---
Zinc	ppm	█ 1236	█ 1170	---	---
Phosphorus	ppm	█ 931	█ 958	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 0	---	---

Depot: VOLVO8885
Unique No: 10712802
Signed: Sean Felton
Report Date: 30 Oct 2023



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GRAPHS

