



CONSTRUCTION EQUIPMENT

SPM619604 ALTER SENNEBOGEN ME835 835.0.433 - DIESEL ENGINE



Sample No: VCP433167
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM619604 ALTER



SAMPLE INFORMATION

Sample Number	VCP433167	---	---	---
Sample Date	06 Oct 2023	---	---	---
Machine Hours	21041	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ALTA CONSTRUCTION EQUIPMENT
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 7.7	---	---	---
Oxidation (PA)	%	59	---	---	---

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	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	78	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 12	---	---	---
Potassium	ppm	█ 6	---	---	---



WEAR METALS

Iron	ppm	█ 24	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 39	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1590	---	---	---
Magnesium	ppm	█ 535	---	---	---
Zinc	ppm	█ 1165	---	---	---
Phosphorus	ppm	█ 928	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 1	---	---	---

Depot: VOLVO5055
Unique No: 10751285
Signed: Wes Davis
Report Date: 21 Nov 2023



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GRAPHS

