



CONSTRUCTION EQUIPMENT

SPM634012 ALTER ROCK SENNEBOGEN 835ME 835.0.2938 - DIESEL ENGINE



Sample No: VCP433443
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM634012 ALTER ROCK



SAMPLE INFORMATION

Sample Number	VCP433443	VCP400501	VCP399960	---
Sample Date	16 Nov 2023	10 Aug 2023	03 Apr 2023	---
Machine Hours	4188	3684	2914	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	MARGINAL	---

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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.0	12.3	---
Base Number (BN)	mg KOH/g	8.2	7.5	6.1	---
Oxidation (PA)	%	65	70	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	NEG	---
Soot %	%	0.2	0.2	0.2	---
Nitration (PA)	%	63	73	68	---
Sulfation (PA)	%	56	55	56	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	3.8	---
Silicon	ppm	3	3	3	---
Sodium	ppm	4	2	0	---
Potassium	ppm	<1	5	3	---



WEAR METALS

Iron	ppm	12	18	18	---
Copper	ppm	1	1	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	3	3	0	---
Chromium	ppm	0	1	<1	---
Molybdenum	ppm	60	59	55	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	1279	1089	1107	---
Magnesium	ppm	835	1002	853	---
Zinc	ppm	1203	1158	1100	---
Phosphorus	ppm	1005	949	913	---
Barium	ppm	0	0	2	---
Boron	ppm	15	<1	5	---

Depot: VOLVO5055
Unique No: 10777249
Signed: Wes Davis
Report Date: 08 Dec 2023



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GRAPHS

