



CONSTRUCTION EQUIPMENT

SPM580652 ALTER SENNEBOGEN 840E 840.0.2 195 - DIESEL ENGINE



Sample No: VCP424693
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM580652 ALTER



SAMPLE INFORMATION

Sample Number	VCP424693	VCP400563	VCP351988	---
Sample Date	19 Jul 2023	04 Apr 2023	30 Dec 2021	---
Machine Hours	9498	8847	5443	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	ATTENTION	SEVERE	---

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OIL CONDITION

Visc @ 100°C	cSt	13.5	11.2	10.2	---
Base Number (BN)	mg KOH/g	6.7	5.0	9.7	---
Oxidation (PA)	%	70	73	93	---

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

Soot %	%	0.1	0.1	0.2	---
Nitration (PA)	%	70	64	82	---
Sulfation (PA)	%	54	55	65	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	4.1	13.3	---
Silicon	ppm	2	3	6	---
Sodium	ppm	0	0	2	---
Potassium	ppm	3	2	3	---



WEAR METALS

Iron	ppm	7	8	11	---
Copper	ppm	1	2	2	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	0	4	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	60	52	36	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1061	1020	1478	---
Magnesium	ppm	903	810	426	---
Zinc	ppm	1196	1077	934	---
Phosphorus	ppm	971	897	792	---
Barium	ppm	0	2	0	---
Boron	ppm	0	3	45	---

Depot: VOLVO5055
Unique No: 10589094
Signed: Wes Davis
Report Date: 08 Aug 2023



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GRAPHS

