



CONSTRUCTION EQUIPMENT

SPM578999 AMG RESOUR SENNEBOGEN 830ME 830.0.2822 - DIESEL ENGINE



Sample No: VCP382785
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM578999 AMG RESOUR



SAMPLE INFORMATION

Sample Number	VCP382785	VCP387415	VCP372282	VCP316670
Sample Date	10 Jul 2023	17 Nov 2022	29 Jul 2022	30 Aug 2021
Machine Hours	8436	6992	6460	3431
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.6	14.5	12.5
Base Number (BN)	mg KOH/g	5.9	9.7	6.1	---
Oxidation (PA)	%	85	70	124	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	%	---	---	---	0.182
Soot %	%	0.4	0.3	1.1	0.7
Nitration (PA)	%	83	70	122	86
Sulfation (PA)	%	64	60	84	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	3	6	3
Sodium	ppm	11	1	4	5
Potassium	ppm	0	1	<1	2



WEAR METALS

Iron	ppm	19	14	73	21
Copper	ppm	<1	<1	3	2
Lead	ppm	0	<1	<1	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	1	2	4
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	65	63	70	66
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1195	1110	1242	1286
Magnesium	ppm	1121	1013	1098	957
Zinc	ppm	1287	1346	1477	1284
Phosphorus	ppm	1089	1016	1152	1082
Barium	ppm	0	0	0	0
Boron	ppm	0	1	8	8

Depot: VOLVO8885
Unique No: 10573971
Signed: Wes Davis
Report Date: 27 Jul 2023



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GRAPHS

