



CONSTRUCTION EQUIPMENT

SPM621371 SENNEBOGEN 835M 835.0.3000 - DIESEL ENGINE



Sample No: VCP433710
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM621371



SAMPLE INFORMATION

Sample Number	VCP433710	VCP382829	VCP399740	VCP345156
Sample Date	26 Oct 2023	25 May 2023	21 Mar 2023	06 Jul 2022
Machine Hours	4088	3007	2502	545
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	13.0	13.2	13.1	12.9
Base Number (BN)	mg KOH/g	8.2	8.5	7.4	10.1
Oxidation (PA)	%	73	70	63	76

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 %	%	0.2	0.2	0.1	0.1
Nitration (PA)	%	76	74	65	63
Sulfation (PA)	%	57	56	49	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	2	3	6
Sodium	ppm	2	0	0	2
Potassium	ppm	3	4	2	12

WEAR METALS

Iron	ppm	10	7	9	7
Copper	ppm	1	<1	<1	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	0	0	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	61	60	59	90
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	1045	1054	1039	1639
Magnesium	ppm	1021	872	901	587
Zinc	ppm	1340	1178	1220	875
Phosphorus	ppm	1003	975	979	722
Barium	ppm	0	0	2	0
Boron	ppm	0	0	0	204

Depot: BELBOU
Unique No: 10726086
Signed: Wes Davis
Report Date: 06 Nov 2023



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GRAPHS

