



CONSTRUCTION EQUIPMENT

SPM701405 SENNEBOGEN 835ME 835.0.2718 - DIESEL ENGINE



Sample No: VCP438001
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM701405



SAMPLE INFORMATION

Sample Number	VCP438001	VCP433821	VCP415015	VCP423379
Sample Date	12 Apr 2024	07 Dec 2023	12 Sep 2023	25 May 2023
Machine Hours	9760	8880	8383	7855
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	13.1	13.3	13.7	13.5
Base Number (BN)	mg KOH/g	9.2	8.6	8.4	8.7
Oxidation (PA)	%	64	68	65	71

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	NEG
Soot %	%	0.1	0.2	0.2	0.2
Nitration (PA)	%	63	69	68	73
Sulfation (PA)	%	53	55	54	56
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	2	3	2
Sodium	ppm	<1	0	2	0
Potassium	ppm	0	2	6	3

WEAR METALS

Iron	ppm	3	4	6	6
Copper	ppm	0	<1	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	<1	1	2	0
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	65	58	61	59
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1248	1000	1080	1096
Magnesium	ppm	1100	975	994	835
Zinc	ppm	1394	1287	1297	1158
Phosphorus	ppm	1126	986	1051	965
Barium	ppm	0	0	0	0
Boron	ppm	0	0	2	<1

Depot: BELBOU
Unique No: 10995443
Signed: Wes Davis
Report Date: 30 Apr 2024



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VOLVO GRAPHS

