



CONSTRUCTION EQUIPMENT

SPM653653 SENNEBOGEN 835ME 835.0.2845 - DIESEL ENGINE



Sample No: VCP433412
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM653653



SAMPLE INFORMATION

Sample Number	VCP433412	VCP406647	VCP396692	VCP400512
Sample Date	10 Nov 2023	04 Aug 2023	24 May 2023	22 Mar 2023
Machine Hours	6152	5542	5027	4535
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	13.3	13.8	13.7	13.1
Base Number (BN)	mg KOH/g	7.9	8.2	8.9	7.8
Oxidation (PA)	%	72	71	71	67

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 %	%	0.2	0.2	0.1	0.1
Nitration (PA)	%	77	74	72	66
Sulfation (PA)	%	56	55	57	50
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	8	3	1	3
Sodium	ppm	27	2	<1	0
Potassium	ppm	<1	3	<1	2



WEAR METALS

Iron	ppm	8	7	4	6
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	3	3	5	0
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	56	62	60	57
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1073	1084	1084	1069
Magnesium	ppm	926	1018	1019	866
Zinc	ppm	1233	1341	1280	1212
Phosphorus	ppm	1020	1066	1014	956
Barium	ppm	0	0	0	2
Boron	ppm	1	<1	0	2

Depot: BELBOU
Unique No: 10777250
Signed: Wes Davis
Report Date: 08 Dec 2023

VOLVO **GRAPHS**

