



CONSTRUCTION EQUIPMENT

SPM593192 SENNEBOGEN 835ME 835.0.2845 - DIESEL ENGINE



Sample No: VCP406647
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM593192



SAMPLE INFORMATION

Sample Number	VCP406647	VCP396692	VCP400512	VCP378913
Sample Date	04 Aug 2023	24 May 2023	22 Mar 2023	23 May 2022
Machine Hours	5542	5027	4535	2518
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	13.8	13.7	13.1	13.1
Base Number (BN)	mg KOH/g	8.2	8.9	7.8	8.5
Oxidation (PA)	%	71	71	67	74

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	0.1	0.1	0.2
Nitration (PA)	%	74	72	66	78
Sulfation (PA)	%	55	57	50	56
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	1	3	3
Sodium	ppm	2	<1	0	0
Potassium	ppm	3	<1	2	4

WEAR METALS

Iron	ppm	7	4	6	8
Copper	ppm	<1	0	<1	1
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	3	5	0	2
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	62	60	57	60
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1084	1084	1069	1073
Magnesium	ppm	1018	1019	866	922
Zinc	ppm	1341	1280	1212	1237
Phosphorus	ppm	1066	1014	956	1005
Barium	ppm	0	0	2	0
Boron	ppm	<1	0	2	2

Depot: BELBOU
Unique No: 10601876
Signed: Wes Davis
Report Date: 11 Aug 2023

VOLVO GRAPHS

