



CONSTRUCTION EQUIPMENT

SPM646181 SENNEBOGEN 835ME 835.0.2718 - DIESEL ENGINE



Sample No: VCP433821
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM646181



SAMPLE INFORMATION

Sample Number	VCP433821	VCP415015	VCP423379	VCP399987
Sample Date	07 Dec 2023	12 Sep 2023	25 May 2023	28 Feb 2023
Machine Hours	8880	8383	7855	7325
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

BELSON STEEL

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OIL CONDITION

Visc @ 100°C	cSt	13.3	13.7	13.5	12.7
Base Number (BN)	mg KOH/g	8.6	8.4	8.7	9.8
Oxidation (PA)	%	68	65	71	92

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	0.2	0.2
Nitration (PA)	%	69	68	73	77
Sulfation (PA)	%	55	54	56	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	3	2	4
Sodium	ppm	0	2	0	1
Potassium	ppm	2	6	3	2



WEAR METALS

Iron	ppm	4	6	6	6
Copper	ppm	<1	0	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	1	2	0	2
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	58	61	59	41
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1000	1080	1096	1704
Magnesium	ppm	975	994	835	490
Zinc	ppm	1287	1297	1158	1141
Phosphorus	ppm	986	1051	965	924
Barium	ppm	0	0	0	0
Boron	ppm	0	2	<1	41

Depot: BELBOU
Unique No: 10792848
Signed: Wes Davis
Report Date: 19 Dec 2023



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GRAPHS

