

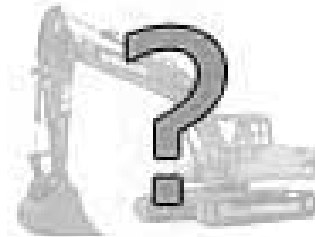


CONSTRUCTION EQUIPMENT

SPM595860 SENNEBOGEN 835ME 835.0.2718 - DIESEL ENGINE



Sample No: VCP415015
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM595860



SAMPLE INFORMATION

Sample Number	VCP415015	VCP423379	VCP399987	VCP373640
Sample Date	12 Sep 2023	25 May 2023	28 Feb 2023	06 Jul 2022
Machine Hours	8383	7855	7325	5783
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	13.7	13.5	12.7	13.6
Base Number (BN)	mg KOH/g	8.4	8.7	9.8	8.4
Oxidation (PA)	%	65	71	92	79

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	0.2	0.2
Nitration (PA)	%	68	73	77	89
Sulfation (PA)	%	54	56	64	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	2	4	3
Sodium	ppm	2	0	1	1
Potassium	ppm	6	3	2	3



WEAR METALS

Iron	ppm	6	6	6	8
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	2	0	2	2
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	61	59	41	61
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	1080	1096	1704	1195
Magnesium	ppm	994	835	490	1000
Zinc	ppm	1297	1158	1141	1287
Phosphorus	ppm	1051	965	924	1022
Barium	ppm	0	0	0	0
Boron	ppm	2	<1	41	5

Depot: BELBOU
Unique No: 10658033
Signed: Wes Davis
Report Date: 21 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

