

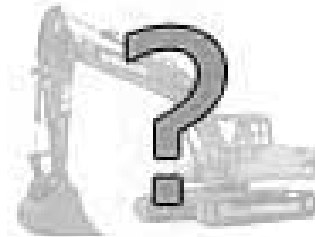


CONSTRUCTION EQUIPMENT

SPM660156 SENNEBOGEN 835ME 835.0.3070 - DIESEL ENGINE



Sample No: VCP433797
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM660156



SAMPLE INFORMATION

Sample Number	VCP433797	VCP423198	VCP411398	VCP399523
Sample Date	11 Jan 2024	27 Oct 2023	11 Aug 2023	24 May 2023
Machine Hours	3166	2632	2080	1562
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	12.8	13.2	13.5	13.2
Base Number (BN)	mg KOH/g	8.9	8.4	8.9	8.9
Oxidation (PA)	%	70	71	67	68

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)	%	71	73	69	68
Sulfation (PA)	%	55	55	55	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	3	3	4
Sodium	ppm	<1	2	1	<1
Potassium	ppm	4	14	15	8

WEAR METALS

Iron	ppm	8	9	7	6
Copper	ppm	2	2	1	3
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	1	5	5	5
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	59	60	60	59
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	0
Vanadium	ppm	<1	<1	<1	0

ADDITIVES

Calcium	ppm	947	1029	1074	1086
Magnesium	ppm	873	1016	996	947
Zinc	ppm	1139	1315	1245	1239
Phosphorus	ppm	899	991	1004	986
Barium	ppm	1	0	0	0
Boron	ppm	0	0	0	4

Depot: BELBOU
Unique No: 10899662
Signed: Wes Davis
Report Date: 28 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

