



CONSTRUCTION EQUIPMENT

SPM566282 SENNEBOGEN 835ME 835.0.2518 - DIESEL ENGINE



Sample No: VCP418513
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM566282



SAMPLE INFORMATION

Sample Number	VCP418513	VCP406079	VCP365823	VCP364823
Sample Date	20 Jun 2023	20 Mar 2023	21 Nov 2022	19 Aug 2022
Machine Hours	9340	8821	8338	7785
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

SIMS METAL MANAGEMENT

2500 S. PAULINA
 CHICAGO, IL
 US 60608
 Contact: RYAN WISE
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 T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	12.7	12.2	12.8	12.9
Base Number (BN)	mg KOH/g	9.1	8.8	9.8	9.7
Oxidation (PA)	%	71	69	76	75

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)	%	81	72	81	83
Sulfation (PA)	%	56	55	60	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	4.3	<1.0	<1.0
Silicon	ppm	3	3	4	2
Sodium	ppm	<1	2	1	0
Potassium	ppm	2	2	3	7



WEAR METALS

Iron	ppm	8	8	7	9
Copper	ppm	2	2	1	1
Lead	ppm	0	0	<1	0
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	2	3	3	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	60	57	62	63
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1055	1055	1120	1067
Magnesium	ppm	1002	906	958	922
Zinc	ppm	1321	1203	1319	1267
Phosphorus	ppm	1027	980	990	1032
Barium	ppm	0	2	0	0
Boron	ppm	0	0	3	2

Depot: SIMCHIL
Unique No: 10548405
Signed: Wes Davis
Report Date: 10 Jul 2023



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GRAPHS

