



CONSTRUCTION EQUIPMENT

SPM620698 SENNEBOGEN 835E 835.0.2441 - DIESEL ENGINE



Sample No: VCP425246
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM620698



SAMPLE INFORMATION

Sample Number	VCP425246	VCP381718	VCP387441	VCP350346
Sample Date	12 Oct 2023	06 Mar 2023	15 Dec 2022	14 Mar 2022
Machine Hours	6304	15970	5878	5418
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	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	13.1	14.7	12.7	13.1
Base Number (BN)	mg KOH/g	9.0	10.2	8.5	9.9
Oxidation (PA)	%	71	74	43	80

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	2.2	0.1	0.5
Nitration (PA)	%	76	106	53	92
Sulfation (PA)	%	56	69	47	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	5	4	9
Sodium	ppm	2	<1	2	3
Potassium	ppm	7	4	<1	1

WEAR METALS

Iron	ppm	13	25	3	16
Copper	ppm	4	<1	<1	3
Lead	ppm	0	1	0	<1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	6	3	1	4
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	60	39	45	58
Nickel	ppm	2	<1	0	<1
Titanium	ppm	<1	14	<1	2
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	<1	0	0

ADDITIVES

Calcium	ppm	1105	1508	1594	1279
Magnesium	ppm	939	776	537	997
Zinc	ppm	1252	993	1125	1182
Phosphorus	ppm	1048	809	906	1041
Barium	ppm	0	0	0	0
Boron	ppm	5	56	60	14

Depot: SIMCHIL
Unique No: 10712793
Signed: Wes Davis
Report Date: 27 Oct 2023



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GRAPHS

