



CONSTRUCTION EQUIPMENT

SPM620698 SENNEBOGEN 835E 835.0.2441 - RIGHT SWING DRIVE



Sample No: VCP425232
Oil Type: MOBIL SHC 630
Job No: SPM620698



SAMPLE INFORMATION

Sample Number	VCP425232	VCP388559	VCP338610	---
Sample Date	12 Oct 2023	15 Dec 2022	14 Mar 2022	---
Machine Hours	6304	8600	5418	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	SEVERE	SEVERE	SEVERE	---

SIMS METAL MANAGEMENT

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

Visc @ 40°C	cSt	207	206	222	---
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CONTAMINATION

Water	%	3.63	1.51	3.70	---
Silicon	ppm	18	14	29	---
Sodium	ppm	0	3	6	---
Potassium	ppm	<1	5	13	---



WEAR METALS

Iron	ppm	789	2972	4814	---
Copper	ppm	192	328	627	---
Lead	ppm	<1	<1	2	---
Tin	ppm	12	23	43	---
Aluminum	ppm	2	5	8	---
Chromium	ppm	7	27	39	---
Molybdenum	ppm	0	1	2	---
Nickel	ppm	2	2	7	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	7	21	36	---
Vanadium	ppm	<1	<1	<1	---



ADDITIVES

Calcium	ppm	2108	24	84	---
Magnesium	ppm	38	<1	<1	---
Zinc	ppm	1020	124	260	---
Phosphorus	ppm	850	331	571	---
Barium	ppm	0	<1	0	---
Boron	ppm	8	31	74	---

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Note that there appears to be a discrepancy in the total time on this component, when compared to the historical data. The iron level has decreased, but is still abnormal. Gear wear is indicated. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: SIMCHIL
Unique No: 10713393
Signed: Don Baldrige
Report Date: 30 Oct 2023



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GRAPHS

