



CONSTRUCTION EQUIPMENT

SPM567475 SENNEBOGEN 835ME 835.0.2518 - FRONT LEFT FINAL DRIVE



Sample No: VCP418511
Oil Type: GEAR OIL SAE 80W90
Job No: SPM567475



SAMPLE INFORMATION

Sample Number	VCP418511	VCP404772	VCP378253	VCP289742
Sample Date	20 Jun 2023	20 Mar 2023	20 May 2022	01 Feb 2021
Machine Hours	9340	8821	7229	7304
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	N/A
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL

SIMS METAL MANAGEMENT

2500 S. PAULINA
 CHICAGO, IL
 US 60608
 Contact: RYAN WISE
 ryan.wise@simsmm.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	193	192	153	143
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CONTAMINATION

Silicon	ppm	▲ 98	74	30	2
Sodium	ppm	10	8	6	0
Potassium	ppm	6	5	2	<1



WEAR METALS

Iron	ppm	▲ 640	492	297	171
Copper	ppm	▲ 104	89	56	11
Lead	ppm	1	<1	<1	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	▲ 24	17	11	<1
Chromium	ppm	5	4	2	<1
Molybdenum	ppm	2	2	1	1
Nickel	ppm	1	<1	<1	<1
Titanium	ppm	3	2	1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	10	7	5	2
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	1952	1979	623	61
Magnesium	ppm	86	65	28	6
Zinc	ppm	880	857	315	19
Phosphorus	ppm	810	805	655	508
Barium	ppm	7	3	8	8
Boron	ppm	35	27	65	50

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Bearing and/or gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: SIMCHIL
Unique No: 10548891
Signed: Don Baldrige
Report Date: 11 Jul 2023



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GRAPHS

