



CONSTRUCTION EQUIPMENT

SPM702318 SENNEBOGEN 835ME 835.0.2859 - REAR DIFFERENTIAL



Sample No: VCP446092
Oil Type: GEAR OIL SAE 80W90
Job No: SPM702318



SAMPLE INFORMATION

Sample Number	VCP446092	VCP415078	VCP423162	VCP404305
Sample Date	24 Apr 2024	28 Sep 2023	13 Jun 2023	06 Apr 2023
Machine Hours	6712	5054	4333	3781
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	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:
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OIL CONDITION

Visc @ 40°C	cSt	156	188	189	140
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	29	26	10
Sodium	ppm	8	0	<1	2
Potassium	ppm	0	2	0	0

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	276	28	17	52
Copper	ppm	11	13	7	28
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	0	<1	<1
Chromium	ppm	4	0	0	<1
Molybdenum	ppm	<1	4	3	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	177	2921	2717	22
Magnesium	ppm	5	72	75	5
Zinc	ppm	84	1109	1006	22
Phosphorus	ppm	758	910	846	568
Barium	ppm	0	2	1	23
Boron	ppm	<1	12	12	44

Depot: SIMCHIL
Unique No: 11030492
Signed: Wes Davis
Report Date: 15 May 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

