



CONSTRUCTION EQUIPMENT

SPM581453 SENNEBOGAN 835M 835.0.2 195 - REAR DIFFERENTIAL



Sample No: VCP401720
Oil Type: GEAR OIL SAE 80W90
Job No: SPM581453



SAMPLE INFORMATION

Sample Number	VCP401720	VCP411390	---	---
Sample Date	02 Aug 2023	03 Apr 2023	---	---
Machine Hours	18054	17516	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	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	191	140	---	---
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CONTAMINATION

Silicon	ppm	23	2	---	---
Sodium	ppm	0	1	---	---
Potassium	ppm	1	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	113	100	---	---
Copper	ppm	3	12	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	2	<1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3010	6	---	---
Magnesium	ppm	55	5	---	---
Zinc	ppm	1036	6	---	---
Phosphorus	ppm	870	404	---	---
Barium	ppm	1	<1	---	---
Boron	ppm	10	25	---	---

Depot: SIMCHIL
Unique No: 10602434
Signed: Sean Felton
Report Date: 14 Aug 2023



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VOLVO GRAPHS

