



CONSTRUCTION EQUIPMENT

SPM593879 ALTER ROCK SENNEBOGEN 835 835.0.2740 - FRONT LEFT FINAL DRIVE



Sample No: VCP423201
Oil Type: GEAR OIL SAE 80W90
Job No: SPM593879 ALTER ROCK



SAMPLE INFORMATION

Sample Number	VCP423201	VCP325140	VCP306760	---
Sample Date	11 Aug 2023	16 Jul 2021	02 Mar 2021	---
Machine Hours	6443	1956	1108	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

ALTA CONSTRUCTION EQUIPMENT

613 E STEVENSON RD
OTTAWA, IL
US 61350
Contact: ALEX MARCO
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OIL CONDITION

Visc @ 40°C	cSt	147	136	133	---
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CONTAMINATION

Silicon	ppm	3	3	3	---
Sodium	ppm	<1	5	5	---
Potassium	ppm	0	<1	5	---

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. 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	222	302	213	---
Copper	ppm	53	▲ 150	▲ 88	---
Lead	ppm	0	1	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	7	5	---
Chromium	ppm	<1	1	<1	---
Molybdenum	ppm	0	<1	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	5	9	6	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	4	15	10	---
Magnesium	ppm	1	<1	<1	---
Zinc	ppm	50	118	66	---
Phosphorus	ppm	1877	1200	688	---
Barium	ppm	3	22	48	---
Boron	ppm	142	61	<1	---

Depot: VOLVO5055
Unique No: 10608996
Signed: Don Baldrige
Report Date: 22 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

