



CONSTRUCTION EQUIPMENT

SPM594467 ALTER RKFD SENNEBOGEN 840 840.0.2192 - FRONT AXLE



Sample No: VCP409188
Oil Type: GEAR OIL SAE 80W90
Job No: SPM594467 ALTER RKFD



SAMPLE INFORMATION

Sample Number	VCP409188	VCP399525	VCP344710	VCP219761
Sample Date	15 Aug 2023	30 Mar 2023	06 Oct 2021	01 Feb 2021
Machine Hours	12681	11146	5724	3486
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

ALTA CONSTRUCTION EQUIPMENT

613 E STEVENSON RD
OTTAWA, IL
US 61350
Contact: KEVIN SKRTICH
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OIL CONDITION

Visc @ 40°C	cSt	146	185	145	160
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CONTAMINATION

Silicon	ppm	3	14	2	2
Sodium	ppm	2	2	0	<1
Potassium	ppm	0	1	0	0



WEAR METALS

Iron	ppm	2	3	4	7
Copper	ppm	1	<1	2	1
Lead	ppm	0	0	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	1	0	<1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	174	2970	11	7
Magnesium	ppm	3	16	0	2
Zinc	ppm	77	1272	3	5
Phosphorus	ppm	767	1187	2080	539
Barium	ppm	0	0	0	0
Boron	ppm	29	17	73	<1

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.

Depot: VOLVO5055
Unique No: 10634555
Signed: Wes Davis
Report Date: 08 Sep 2023



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GRAPHS

