



CONSTRUCTION EQUIPMENT

SPM594467 ALTER RKFD SENNEBOGEN 840 840.0.2192 - REAR AXLE



Sample No: VCP409186
Oil Type: GEAR OIL SAE 80W90
Job No: SPM594467 ALTER RKFD



SAMPLE INFORMATION

Sample Number	VCP409186	VCP399748	VCP327506	VCP219754
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	NORMAL

ALTA CONSTRUCTION EQUIPMENT
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F:



OIL CONDITION

Visc @ 40°C	cSt	147	181	146	139
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CONTAMINATION

Silicon	ppm	4	13	2	2
Sodium	ppm	2	1	0	<1
Potassium	ppm	0	<1	0	7

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	7	3	7	111
Copper	ppm	2	<1	3	3
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	1	0	<1
Chromium	ppm	0	<1	0	1
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	363	2533	2	12
Magnesium	ppm	5	14	0	<1
Zinc	ppm	157	1089	1	8
Phosphorus	ppm	813	1288	2018	558
Barium	ppm	0	0	0	2
Boron	ppm	30	35	90	1

Depot: VOLVO5055
Unique No: 10634553
Signed: Sean Felton
Report Date: 08 Sep 2023



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GRAPHS

