



CONSTRUCTION EQUIPMENT

SPM646183 ALTER SENNEBOGEN 840 840.0.2192 - FRONT AXLE



Sample No: VCP433266
Oil Type: GEAR OIL SAE 80W90
Job No: SPM646183 ALTER



SAMPLE INFORMATION

Sample Number	VCP433266	VCP409188	VCP399525	VCP344710
Sample Date	05 Dec 2023	15 Aug 2023	30 Mar 2023	06 Oct 2021
Machine Hours	13870	12681	11146	5724
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
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 F:



OIL CONDITION

Visc @ 40°C	cSt	139	146	185	145
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	14	2
Sodium	ppm	<1	2	2	0
Potassium	ppm	<1	0	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	1	2	3	4
Copper	ppm	2	1	<1	2
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	0	<1	1	0
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	14	174	2970	11
Magnesium	ppm	<1	3	16	0
Zinc	ppm	6	77	1272	3
Phosphorus	ppm	460	767	1187	2080
Barium	ppm	0	0	0	0
Boron	ppm	4	29	17	73

Depot: VOLVO8885
Unique No: 10793380
Signed: Wes Davis
Report Date: 19 Dec 2023



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GRAPHS

