



CONSTRUCTION EQUIPMENT

560052-10 ALTER SENNEBOGEN 835 835.0.2949 - FRONT LEFT FINAL DRIVE



Sample No: VCP453604
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 560052-10 ALTER



SAMPLE INFORMATION

Sample Number	VCP453604	VCP434983	VCP396392	VCP396389
Sample Date	17 May 2024	01 Mar 2024	10 Oct 2023	10 Oct 2023
Machine Hours	5900	5345	4362	4362
Oil Hours	2000	1000	2000	2000
Oil Changed	Changed	Not Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	NORMAL	ABNORMAL

ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE
BLOOMINGTON, IL
US 61705

Contact: JUSTIN PERRY
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F:



OIL CONDITION

Visc @ 40°C	cSt	134	137	142	141
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	5	6	7
Sodium	ppm	<1	2	1	4
Potassium	ppm	2	<1	0	0



WEAR METALS

Iron	ppm	557	286	190	641
Copper	ppm	102	73	23	202
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	3	3	<1	8
Chromium	ppm	4	1	1	3
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	9	5	4	15
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	121	67	157	223
Magnesium	ppm	2	2	5	6
Zinc	ppm	120	74	87	241
Phosphorus	ppm	1757	1881	1748	1733
Barium	ppm	2	1	7	15
Boron	ppm	144	147	86	108

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. High concentration of visible metal present. Bearing and/or gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO5054
Unique No: 11046311
Signed: Don Baldrige
Report Date: 28 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

