



CONSTRUCTION EQUIPMENT

W14607 VOLVO L220H 2597 - REAR AXLE



Sample No: VCP405722
Oil Type: VOLVO WB 102
Job No: W14607



SAMPLE INFORMATION

Sample Number	VCP405722	VCP405870	VCP367728	VCP333384
Sample Date	24 Aug 2023	31 May 2023	10 Jan 2023	13 Jan 2022
Machine Hours	9534	9049	8594	7580
Oil Hours	500	4000	1000	1000
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.3	42.0	42.2	42.4
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CONTAMINATION

Silicon	ppm	10	18	14	10
Sodium	ppm	0	9	9	9
Potassium	ppm	2	2	0	0



WEAR METALS

Iron	ppm	21	186	110	42
Copper	ppm	<1	<1	1	<1
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	2	1	1
Chromium	ppm	<1	1	1	<1
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	2	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3783	3996	3828	3584
Magnesium	ppm	20	19	16	13
Zinc	ppm	1579	1664	1513	1550
Phosphorus	ppm	1296	1337	1236	1252
Barium	ppm	2	0	0	0
Boron	ppm	144	121	117	112

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: VOLVO0080
Unique No: 10633289
Signed: Wes Davis
Report Date: 06 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

