



CONSTRUCTION EQUIPMENT

W14607 VOLVO L220H 2597 - FRONT AXLE



Sample No: VCP405854
Oil Type: VOLVO WB 102
Job No: W14607



SAMPLE INFORMATION

Sample Number	VCP405854	VCP405873	VCP385023	VCP333294
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	42.8	42.0	42.1	42.2
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CONTAMINATION

Silicon	ppm	10	12	14	9
Sodium	ppm	0	8	9	8
Potassium	ppm	1	2	0	0



WEAR METALS

Iron	ppm	21	40	113	12
Copper	ppm	1	<1	1	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	1	<1	<1
Aluminum	ppm	1	2	<1	<1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	5
Manganese	ppm	<1	1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3738	3659	3790	3470
Magnesium	ppm	20	20	16	14
Zinc	ppm	1560	1556	1538	1501
Phosphorus	ppm	1284	1251	1230	1230
Barium	ppm	2	0	0	0
Boron	ppm	140	109	116	107

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: 10633266
Signed: Wes Davis
Report Date: 06 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

