



CONSTRUCTION EQUIPMENT

W14889 VOLVO L220H 2820 - REAR AXLE



Sample No: VCP380818
Oil Type: VOLVO WB 102
Job No: W14889



SAMPLE INFORMATION

Sample Number	VCP380818	VCP410537	VCP402599	VCP370679
Sample Date	31 Oct 2023	15 Aug 2023	31 May 2023	07 Dec 2022
Machine Hours	9548	9046	8553	8016
Oil Hours	500	1000	500	4000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	46.2	46.0	47.3	41.5
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CONTAMINATION

Silicon	ppm	13	14	15	11
Sodium	ppm	5	4	4	7
Potassium	ppm	0	<1	1	0



WEAR METALS

Iron	ppm	22	22	21	43
Copper	ppm	2	2	<1	0
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	<1	<1	2	1
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	1	1	2	2
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	3329	3710	3713	3817
Magnesium	ppm	19	23	23	26
Zinc	ppm	1399	1477	1503	1532
Phosphorus	ppm	1074	1167	1182	1190
Barium	ppm	0	0	0	0
Boron	ppm	120	125	114	133

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: 10728414
Signed: Sean Felton
Report Date: 08 Nov 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

