



CONSTRUCTION EQUIPMENT

W14799 VOLVO L220H 2915 - REAR AXLE



Sample No: VCP435138
Oil Type: VOLVO WB 102
Job No: W14799



SAMPLE INFORMATION

Sample Number	VCP435138	VCP426810	VCP398353	VCP374226
Sample Date	20 Oct 2023	02 Aug 2023	14 Feb 2023	12 Sep 2022
Machine Hours	5498	5035	4525	4189
Oil Hours	0	1000	500	4000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	MARGINAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	62.8	41.9	42.2	39.5
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CONTAMINATION

Silicon	ppm	35	17	13	23
Sodium	ppm	4	6	8	3
Potassium	ppm	1	0	0	0



WEAR METALS

Iron	ppm	167	164	151	164
Copper	ppm	0	<1	1	6
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	4	2	0	2
Chromium	ppm	2	3	3	6
Molybdenum	ppm	14	1	3	4
Nickel	ppm	<1	<1	<1	2
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	4	4	3	16
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3193	3807	3763	3951
Magnesium	ppm	19	22	19	14
Zinc	ppm	1412	1617	1460	1616
Phosphorus	ppm	1112	1270	1181	1260
Barium	ppm	0	0	0	0
Boron	ppm	131	129	136	131

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0080
Unique No: 10727729
Signed: Doug Bogart
Report Date: 07 Nov 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

