



CONSTRUCTION EQUIPMENT

RA42 VOLVO L180H 5363 - REAR AXLE



Sample No: VCP380828
Oil Type: VOLVO AT 102
Job No: RA42



SAMPLE INFORMATION

Sample Number	VCP380828	VCP410530	VCP406908	VCP380811
Sample Date	09 Nov 2023	17 Aug 2023	01 Jun 2023	08 Mar 2023
Machine Hours	4530	4010	3537	3023
Oil Hours	500	4000	500	1000
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.6	39.3	39.3	39.6
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CONTAMINATION

Silicon	ppm	9	12	14	11
Sodium	ppm	3	10	10	9
Potassium	ppm	2	2	3	1



WEAR METALS

Iron	ppm	22	96	87	75
Copper	ppm	7	28	25	23
Lead	ppm	<1	<1	<1	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	1	<1	2	<1
Chromium	ppm	<1	3	3	3
Molybdenum	ppm	1	3	3	3
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	4	4	4
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	3877	3896	3951	3671
Magnesium	ppm	22	12	12	10
Zinc	ppm	1740	1625	1660	1509
Phosphorus	ppm	1391	1309	1365	1211
Barium	ppm	0	0	0	0
Boron	ppm	132	126	119	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: 10742449
Signed: Don Baldrige
Report Date: 18 Nov 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

