



CONSTRUCTION EQUIPMENT

RA41 VOLVO L220H 2884 - REAR AXLE



Sample No: VCP435377
Oil Type: VOLVO WB 102
Job No: RA41



SAMPLE INFORMATION

Sample Number	VCP435377	VCP374116	VCP405880	VCP367730
Sample Date	15 Nov 2023	31 Aug 2023	02 Jun 2023	13 Feb 2023
Machine Hours	10084	9538	8994	8521
Oil Hours	2000	500	1000	500
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	47.2	47.3	48.6	49.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	16	15	15	15
Sodium	ppm	4	3	4	4
Potassium	ppm	0	0	2	0

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.



WEAR METALS

Iron	ppm	29	24	15	46
Copper	ppm	4	2	2	3
Lead	ppm	<1	0	1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	3	4	3	47
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	0	2	2
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3417	3842	3736	3700
Magnesium	ppm	17	23	21	21
Zinc	ppm	1437	1522	1567	1397
Phosphorus	ppm	1183	1209	1235	1133
Barium	ppm	0	0	0	0
Boron	ppm	118	127	141	133

Depot: VOLVO0080
Unique No: 10753511
Signed: Wes Davis
Report Date: 22 Nov 2023



CONSTRUCTION EQUIPMENT



GRAPHS

