



CONSTRUCTION EQUIPMENT

RA41 VOLVO L220H 2884 - FRONT AXLE



Sample No: VCP435379
Oil Type: VOLVO WB 102
Job No: RA41



SAMPLE INFORMATION

Sample Number	VCP435379	VCP374112	VCP405887	VCP398354
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 Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	47.9	47.3	49.4	48.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	15	13	14
Sodium	ppm	3	3	3	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	18	24	14	42
Copper	ppm	2	2	2	3
Lead	ppm	<1	0	1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	4	3	48
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	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	3245	3816	3778	3741
Magnesium	ppm	13	22	22	21
Zinc	ppm	1404	1525	1566	1415
Phosphorus	ppm	1124	1220	1233	1137
Barium	ppm	0	0	0	0
Boron	ppm	108	126	141	133

Depot: VOLVO0080
Unique No: 10753512
Signed: Wes Davis
Report Date: 22 Nov 2023



CONSTRUCTION EQUIPMENT



GRAPHS

