



CONSTRUCTION EQUIPMENT

W14603 VOLVO L220H 2884 - REAR AXLE



Sample No: VCP374116
Oil Type: VOLVO WB 102
Job No: W14603



SAMPLE INFORMATION

Sample Number	VCP374116	VCP405880	VCP367730	VCP384056
Sample Date	31 Aug 2023	02 Jun 2023	13 Feb 2023	05 Oct 2022
Machine Hours	9538	8994	8521	7990
Oil Hours	500	1000	500	2000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	47.3	48.6	49.1	42.3
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CONTAMINATION

Silicon	ppm	15	15	15	12
Sodium	ppm	3	4	4	2
Potassium	ppm	0	2	0	0

WEAR METALS

Iron	ppm	24	15	46	14
Copper	ppm	2	2	3	<1
Lead	ppm	0	1	<1	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	4	3	▲ 47	2
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	0	2	2	2
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	2
Vanadium	ppm	0	0	0	<1

ADDITIVES

Calcium	ppm	3842	3736	3700	4106
Magnesium	ppm	23	21	21	25
Zinc	ppm	1522	1567	1397	1634
Phosphorus	ppm	1209	1235	1133	1235
Barium	ppm	0	0	0	0
Boron	ppm	127	141	133	126

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: 10635514
Signed: Wes Davis
Report Date: 08 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

