



CONSTRUCTION EQUIPMENT

412922 BULK EXP VOLVO L180H 5391 - FRONT AXLE



Sample No: VCP440362
Oil Type: VOLVO WB 102
Job No: 412922 BULK EXP



SAMPLE INFORMATION

Sample Number	VCP440362	VCP434820	VCP425283	VCP411675
Sample Date	10 Nov 2023	14 Sep 2023	19 Jul 2023	26 May 2023
Machine Hours	4739	3966	3194	2710
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	44.3	41.5	42.1	39.5
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CONTAMINATION

Silicon	ppm	15	10	11	14
Sodium	ppm	2	3	3	9
Potassium	ppm	0	<1	0	1

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	45	39	35	79
Copper	ppm	21	58	60	17
Lead	ppm	0	<1	<1	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	1	<1	1	1
Chromium	ppm	<1	1	1	4
Molybdenum	ppm	2	4	5	5
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	2	2	7
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	3640	3707	3824	3917
Magnesium	ppm	22	24	23	14
Zinc	ppm	1513	1517	1533	1637
Phosphorus	ppm	1229	1262	1297	1328
Barium	ppm	0	0	0	0
Boron	ppm	127	138	143	125

Depot: VOLVO0096
Unique No: 10749068
Signed: Wes Davis
Report Date: 17 Nov 2023



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GRAPHS

