



CONSTRUCTION EQUIPMENT

W14797 VOLVO L180H 5555 - L180H - REAR AXLE



Sample No: VCP435130
Oil Type: VOLVO WB 102
Job No: W14797



SAMPLE INFORMATION

Sample Number	VCP435130	VCP404691	VCP411477	VCP385642
Sample Date	16 Oct 2023	18 Jul 2023	10 Mar 2023	15 Nov 2022
Machine Hours	3042	2585	2008	1488
Oil Hours	1000	0	0	500
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	39.8	40.0	40.7	39.9
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CONTAMINATION

Silicon	ppm	13	12	16	10
Sodium	ppm	5	8	3	8
Potassium	ppm	4	1	4	0



WEAR METALS

Iron	ppm	84	83	98	54
Copper	ppm	14	9	6	4
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	1	2	<1
Chromium	ppm	2	2	3	2
Molybdenum	ppm	3	3	4	2
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	4	6	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3775	3969	4411	3666
Magnesium	ppm	9	11	12	12
Zinc	ppm	1626	1661	1746	1537
Phosphorus	ppm	1397	1366	1411	1206
Barium	ppm	9	0	0	0
Boron	ppm	130	132	134	118

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: 10709574
Signed: Wes Davis
Report Date: 24 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

