



CONSTRUCTION EQUIPMENT

SPM566534 VOLVO L180H 5413 - REAR AXLE



Sample No: VCP423026
Oil Type: VOLVO WB 102
Job No: SPM566534



SAMPLE INFORMATION

Sample Number	VCP423026	VCP425037	VCP376844	VCP359451
Sample Date	30 Jun 2023	20 May 2023	20 Jul 2022	18 Apr 2022
Machine Hours	5936	5589	4384	3806
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
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OIL CONDITION

Visc @ 40°C	cSt	43.0	43.1	44.5	41.0
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CONTAMINATION

Silicon	ppm	15	13	10	8
Sodium	ppm	0	2	8	8
Potassium	ppm	2	0	0	0



WEAR METALS

Iron	ppm	68	59	121	125
Copper	ppm	3	2	6	5
Lead	ppm	<1	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	1	<1
Chromium	ppm	1	1	2	2
Molybdenum	ppm	2	2	4	4
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	2	0
Manganese	ppm	2	1	4	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3945	3947	3619	3767
Magnesium	ppm	14	15	12	12
Zinc	ppm	1591	1637	1513	1506
Phosphorus	ppm	1290	1263	1291	1397
Barium	ppm	2	0	0	0
Boron	ppm	140	128	115	108

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: VOLVO0142
Unique No: 10547409
Signed: Wes Davis
Report Date: 07 Jul 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

