



CONSTRUCTION EQUIPMENT

SPM566534 VOLVO L180H 5413 - FRONT AXLE



Sample No: VCP423043
Oil Type: VOLVO WB 102
Job No: SPM566534



SAMPLE INFORMATION

Sample Number	VCP423043	VCP425187	VCP376845	VCP359450
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
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OIL CONDITION

Visc @ 40°C	cSt	42.8	42.8	41.0	41.2
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CONTAMINATION

Silicon	ppm	14	14	10	8
Sodium	ppm	0	2	8	7
Potassium	ppm	2	2	0	0



WEAR METALS

Iron	ppm	84	81	127	143
Copper	ppm	4	4	11	9
Lead	ppm	<1	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	1	<1
Chromium	ppm	2	2	3	2
Molybdenum	ppm	3	3	5	4
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	3	3	4	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4105	4274	3361	3524
Magnesium	ppm	14	14	11	12
Zinc	ppm	1629	1713	1420	1444
Phosphorus	ppm	1300	1349	1238	1369
Barium	ppm	2	2	0	0
Boron	ppm	148	132	106	100

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: 10547410
Signed: Wes Davis
Report Date: 07 Jul 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

