



CONSTRUCTION EQUIPMENT

SWA363603 COASTAL WA VOLVO L120H 632589 - REAR AXLE



Sample No: VCP410016
Oil Type: VOLVO WB 102
Job No: SWA363603 COASTAL WA



SAMPLE INFORMATION

Sample Number	VCP410016	VCP404558	VCP386083	VCP358489
Sample Date	18 Sep 2023	02 May 2023	13 Jan 2023	07 Oct 2022
Machine Hours	10144	9013	8129	7511
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	NORMAL	SEVERE

ALTA EQUIPMENT COMPANY

5210 REESE ROAD
 DAVIE, FL
 US 33314

Contact: N. FACEY
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OIL CONDITION

Visc @ 40°C	cSt	44.8	45.5	49.42	50.8
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CONTAMINATION

Silicon	ppm	26	17	18	23
Sodium	ppm	11	6	6	3
Potassium	ppm	0	<1	2	1



WEAR METALS

Iron	ppm	571	52	486	2122
Copper	ppm	<1	0	<1	2
Lead	ppm	0	0	<1	4
Tin	ppm	0	<1	0	2
Aluminum	ppm	1	4	2	2
Chromium	ppm	6	<1	5	24
Molybdenum	ppm	12	1	15	44
Nickel	ppm	2	0	0	9
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	5	1	4	17
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	3954	3761	3690	3012
Magnesium	ppm	22	13	20	40
Zinc	ppm	1526	1557	1506	1326
Phosphorus	ppm	1210	1220	1226	1157
Barium	ppm	0	0	1	0
Boron	ppm	141	116	120	55

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. All other 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: VOLVO0095
Unique No: 10659096
Signed: Don Baldrige
Report Date: 23 Sep 2023



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GRAPHS

