



CONSTRUCTION EQUIPMENT

SWA411421 COASTAL WA VOLVO L120H 632589 - REAR AXLE



Sample No: VCP413498
Oil Type: VOLVO WB 102
Job No: SWA411421 COASTAL WA



SAMPLE INFORMATION

Sample Number	VCP413498	VCP410016	VCP404558	VCP386083
Sample Date	10 Nov 2023	18 Sep 2023	02 May 2023	13 Jan 2023
Machine Hours	10572	10144	9013	8129
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

ALTA EQUIPMENT COMPANY

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 DAVIE, FL
 US 33314

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OIL CONDITION

Visc @ 40°C	cSt	42.4	44.8	45.5	49.42
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	16	26	17	18
Sodium	ppm	0	11	6	6
Potassium	ppm	4	0	<1	2

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. High concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	3702	3954	3761	3690
Magnesium	ppm	8	22	13	20
Zinc	ppm	1697	1526	1557	1506
Phosphorus	ppm	1401	1210	1220	1226
Barium	ppm	0	0	0	1
Boron	ppm	10	141	116	120

Depot: VOLVO0095
Unique No: 10751926
Signed: Jonathan Hester
Report Date: 22 Nov 2023



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GRAPHS

