



CONSTRUCTION EQUIPMENT

SWA142888 VOLVO L110H 10425 - FRONT AXLE



Sample No: VCP370094
Oil Type: VOLVO WB 102
Job No: SWA142888



SAMPLE INFORMATION

Sample Number	VCP370094	VCP326423	VCP305296	VCP292069
Sample Date	06 Jan 2023	08 Oct 2021	11 Mar 2021	30 Oct 2020
Machine Hours	9253	8490	7265	6382
Oil Hours	0	0	0	0
Oil Changed	Not Changd	N/A	Not Changd	N/A
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
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OIL CONDITION

Visc @ 40°C	cSt	38.4	40.0	39.7	39.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	11	11	19
Sodium	ppm	0	5	5	2
Potassium	ppm	1	0	0	2

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate 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	150	270	282	279
Copper	ppm	<1	1	1	1
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	0	2	1	2
Chromium	ppm	1	5	5	5
Molybdenum	ppm	<1	3	2	2
Nickel	ppm	0	0	<1	1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	3	6	7	6
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	3183	3629	4051	4056
Magnesium	ppm	8	13	13	12
Zinc	ppm	1399	1521	1655	1597
Phosphorus	ppm	1262	1197	1363	1328
Barium	ppm	1	0	0	0
Boron	ppm	88	142	135	143

Depot: VOLV00142
Unique No: 10287054
Signed: Sean Felton
Report Date: 13 Jan 2023



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GRAPHS

