



CONSTRUCTION EQUIPMENT

SW-26700-2 EVERGREEN VOLVO L110H 631790 - REAR AXLE



Sample No: VCP435874
Oil Type: VOLVO WB 102
Job No: SW-26700-2 EVERGREEN



SAMPLE INFORMATION

Sample Number	VCP435874	VCP337586	VCP289525	---
Sample Date	14 Dec 2023	15 Sep 2022	21 Jul 2021	---
Machine Hours	6006	4054	1990	---
Oil Hours	2000	2000	1000	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

ARNOLD MACHINERY COMPANY

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OIL CONDITION

Visc @ 40°C	cSt	49.4	44.2	40.3	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	10	14	13	---
Sodium	ppm	<1	10	9	---
Potassium	ppm	0	0	0	---

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.



WEAR METALS

Iron	ppm	74	81	64	---
Copper	ppm	3	<1	<1	---
Lead	ppm	1	<1	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	2	1	---
Chromium	ppm	1	2	2	---
Molybdenum	ppm	2	1	2	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	3	3	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	2896	3967	3957	---
Magnesium	ppm	1	17	16	---
Zinc	ppm	1202	1605	1595	---
Phosphorus	ppm	1052	1275	1302	---
Barium	ppm	0	0	0	---
Boron	ppm	28	116	174	---

Depot: VOLVO8770
Unique No: 10796073
Signed: Wes Davis
Report Date: 21 Dec 2023



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GRAPHS

