



CONSTRUCTION EQUIPMENT

SPM633152 MAJOR VOLVO L110H 632377 - REAR LEFT FINAL DRIVE



Sample No: VCP409040
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No: SPM633152 MAJOR



SAMPLE INFORMATION

Sample Number	VCP409040	---	---	---
Sample Date	08 Nov 2023	---	---	---
Machine Hours	2237	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA CONSTRUCTION EQUIPMENT LLC
G-3283 S. DORT HIGHWAY
BURTON, MI
US 48529
Contact: BURTON SERVICE
BURTON.SERVICE@ALTAEQUIPMENT.COM
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	█ 40.6	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 32	---	---	---
Sodium	ppm	█ 13	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 355	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	21	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 16	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 3773	---	---	---
Magnesium	ppm	█ 12	---	---	---
Zinc	ppm	█ 1504	---	---	---
Phosphorus	ppm	█ 1276	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 126	---	---	---

Depot: VOLVO5023
Unique No: 10765250
Signed: Don Baldrige
Report Date: 03 Dec 2023



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GRAPHS

