



CONSTRUCTION EQUIPMENT

A12261 VOLVO L110H 632554 - FRONT AXLE



Sample No: VCP440358
Oil Type: MOBIL WB 102
Job No: A12261



SAMPLE INFORMATION

Sample Number	VCP440358	VCP425999	---	---
Sample Date	06 Mar 2024	06 Oct 2023	---	---
Machine Hours	2725	1475	---	---
Oil Hours	2000	1475	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

HMR ASSOCIATES
 PO BOX 485
 TOUGHKENAMON, PA
 US 19374
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	42.9	42.9	---	---
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T:
 F: (610)268-2225



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	17	31	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	2	2	---	---

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	140	335	---	---
Copper	ppm	<1	1	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	0	---	---
Chromium	ppm	3	7	---	---
Molybdenum	ppm	9	16	---	---
Nickel	ppm	1	2	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	4	13	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	3642	3551	---	---
Magnesium	ppm	76	12	---	---
Zinc	ppm	1521	1473	---	---
Phosphorus	ppm	1133	1206	---	---
Barium	ppm	0	2	---	---
Boron	ppm	114	116	---	---

Depot: HMRTOU
Unique No: 10938183
Signed: Wes Davis
Report Date: 21 Mar 2024



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GRAPHS

