



CONSTRUCTION EQUIPMENT

A10551 VOLVO L110H 632445 - FRONT AXLE



Sample No: VCP416354
Oil Type: MOBIL WB 102
Job No: A10551



SAMPLE INFORMATION

Sample Number	VCP416354	VCP392769	---	---
Sample Date	31 Jul 2023	04 Apr 2023	---	---
Machine Hours	2035	1240	---	---
Oil Hours	900	1240	---	---
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	44.6	40.9	---	---
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T:
 F: (610)268-2225



CONTAMINATION

Silicon	ppm	11	23	---	---
Sodium	ppm	2	11	---	---
Potassium	ppm	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	65	315	---	---
Copper	ppm	<1	2	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	2	7	---	---
Molybdenum	ppm	6	15	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	3	12	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	2885	3954	---	---
Magnesium	ppm	44	13	---	---
Zinc	ppm	1196	1554	---	---
Phosphorus	ppm	964	1283	---	---
Barium	ppm	0	0	---	---
Boron	ppm	106	133	---	---

Depot: HMRTOU
Unique No: 10601777
Signed: Wes Davis
Report Date: 11 Aug 2023



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GRAPHS

