



CONSTRUCTION EQUIPMENT

A12267 VOLVO L110H 632441 - REAR AXLE



Sample No: VCP444365
Oil Type: MOBIL WB 102
Job No: A12267



SAMPLE INFORMATION

Sample Number	VCP444365	VCP430377	VCP409811	---
Sample Date	05 Mar 2024	02 Oct 2023	05 Apr 2023	---
Machine Hours	3590	2450	1280	---
Oil Hours	1000	1450	1280	---
Oil Changed	Not Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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



OIL CONDITION

Visc @ 40°C	cSt	41.9	44.5	40.6	---
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T:
 F: (610)268-2225



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	9	14	24	---
Sodium	ppm	<1	0	11	---
Potassium	ppm	2	2	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	23	56	189	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	2	1	---
Chromium	ppm	<1	2	5	---
Molybdenum	ppm	6	7	14	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	4	11	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	2775	3406	3946	---
Magnesium	ppm	59	49	13	---
Zinc	ppm	1145	1463	1562	---
Phosphorus	ppm	865	1170	1285	---
Barium	ppm	0	1	0	---
Boron	ppm	87	107	134	---

Depot: HMRTOU
Unique No: 10938189
Signed: Wes Davis
Report Date: 21 Mar 2024



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GRAPHS

