



CONSTRUCTION EQUIPMENT

A12263 VOLVO L110H 632378 - REAR AXLE



Sample No: VCP446020
Oil Type: MOBIL WB 102
Job No: A12263



SAMPLE INFORMATION

Sample Number	VCP446020	VCP414310	VCP400355	---
Sample Date	05 Mar 2024	31 Jul 2023	17 Jan 2023	---
Machine Hours	2555	1895	955	---
Oil Hours	1000	900	955	---
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	43.5	44.9	40.9	---
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T:
 F: (610)268-2225



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	8	18	36	---
Sodium	ppm	0	3	10	---
Potassium	ppm	1	0	<1	---

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	19	53	273	---
Copper	ppm	<1	2	<1	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	<1	<1	---
Chromium	ppm	<1	1	6	---
Molybdenum	ppm	7	5	14	---
Nickel	ppm	<1	<1	2	---
Titanium	ppm	<1	1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	2	13	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	2595	3639	3895	---
Magnesium	ppm	71	52	15	---
Zinc	ppm	1095	1470	1616	---
Phosphorus	ppm	823	1187	1249	---
Barium	ppm	0	0	0	---
Boron	ppm	88	123	118	---

Depot: HMRTOU
Unique No: 10938184
Signed: Wes Davis
Report Date: 21 Mar 2024



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GRAPHS

