



CONSTRUCTION EQUIPMENT

A12797 VOLVO L110H 632014 - FRONT AXLE



Sample No: VCP439534
Oil Type: MOBIL WB 102
Job No: A12797



SAMPLE INFORMATION

Sample Number	VCP439534	VCP406990	VCP367450	VCP358537
Sample Date	05 Jun 2024	04 Apr 2023	07 Nov 2022	25 May 2022
Machine Hours	7800	6860	5460	3951
Oil Hours	1000	2000	1000	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	44.5	41.4	42.3	42.6
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T:
 F: (610)268-2225



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	10	13	14	13
Sodium	ppm	0	6	<1	8
Potassium	ppm	2	<1	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	45	42	46	41
Copper	ppm	<1	<1	0	0
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	2	<1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	3	2	2	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3029	4060	4592	3906
Magnesium	ppm	44	29	29	23
Zinc	ppm	1313	1739	1788	1598
Phosphorus	ppm	1110	1420	1395	1213
Barium	ppm	0	0	0	0
Boron	ppm	95	135	136	143

Depot: HMRTOU
Unique No: 11088961
Signed: Wes Davis
Report Date: 21 Jun 2024



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VOLVO GRAPHS

