



CONSTRUCTION EQUIPMENT

A12262 VOLVO L110H 632316 - FRONT AXLE



Sample No: VCP446015
Oil Type: MOBIL WB 102
Job No: A12262



SAMPLE INFORMATION

Sample Number	VCP446015	VCP430835	VCP356318	VCP367459
Sample Date	15 Mar 2024	04 Oct 2023	05 Apr 2023	02 Nov 2022
Machine Hours	4670	3650	2645	1270
Oil Hours	2000	1000	1500	1270
Oil Changed	Changed	Not Chngd	Changed	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	44.1	44.6	43.5	41.6
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T:
 F: (610)268-2225

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	10	13	22
Sodium	ppm	0	0	2	5
Potassium	ppm	2	1	<1	4

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	78	44	112	297
Copper	ppm	<1	<1	<1	1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	0	2	<1
Chromium	ppm	2	<1	2	6
Molybdenum	ppm	5	5	4	12
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	3	12
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	2979	2665	3848	4076
Magnesium	ppm	45	41	46	11
Zinc	ppm	1208	1184	1650	1614
Phosphorus	ppm	922	955	1370	1315
Barium	ppm	0	2	0	0
Boron	ppm	92	91	120	112

Depot: HMRTOU
Unique No: 10938190
Signed: Wes Davis
Report Date: 21 Mar 2024



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GRAPHS

