



CONSTRUCTION EQUIPMENT

VOLVO L110H 631237 - FRONT AXLE



Sample No: VCP444057
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP444057	VCP414664	VCP390735	VCP348897
Sample Date	23 Apr 2024	06 Sep 2023	02 Nov 2022	03 Mar 2022
Machine Hours	10448	9863	8131	7211
Oil Hours	0	0	2000	1000
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	40.5	41.1	42.0	41.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	12	13	11
Sodium	ppm	3	0	9	9
Potassium	ppm	1	0	0	0

Diagnosis
 The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	229	60	111	51
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	<1	0	0
Aluminum	ppm	1	1	2	1
Chromium	ppm	2	<1	1	<1
Molybdenum	ppm	1	0	2	2
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	3	1	2	<1
Vanadium	ppm	<1	<1	0	0

ADDITIVES

Calcium	ppm	3347	3570	3785	4056
Magnesium	ppm	10	14	23	24
Zinc	ppm	1442	1639	1447	1538
Phosphorus	ppm	1190	1315	1188	1301
Barium	ppm	0	0	0	0
Boron	ppm	19	16	144	141

Depot: RIPTAM
Unique No: 11057887
Signed: Don Baldrige
Report Date: 01 Jun 2024



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VOLVO GRAPHS

