



CONSTRUCTION EQUIPMENT

VOLVO L120H 633400 - REAR AXLE



Sample No: VCP443999
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP443999	VCP438893	VCP437226	VCP442188
Sample Date	13 Jun 2024	12 Apr 2024	20 Feb 2024	19 Oct 2023
Machine Hours	3134	0	2033	1010
Oil Hours	0	0	0	1010
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

CITY CARTING
 221 OLD GATE LN
 MILFORD, CT
 US 06460
 Contact: TAVINS BANKS
 tavins@citycart.net
 T: (203)223-3885
 F:



OIL CONDITION

Visc @ 40°C	cSt	43.4	43.1	42.9	43.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	18	17	23
Sodium	ppm	2	1	3	4
Potassium	ppm	0	0	0	<1

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	82	69	158	273
Copper	ppm	<1	0	0	1
Lead	ppm	<1	0	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	1	<1	<1	1
Chromium	ppm	1	<1	2	4
Molybdenum	ppm	2	2	5	7
Nickel	ppm	0	0	0	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	3	6	10
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3885	4247	3610	3615
Magnesium	ppm	17	19	16	22
Zinc	ppm	1540	1706	1422	1533
Phosphorus	ppm	1208	1406	1194	1283
Barium	ppm	0	0	0	0
Boron	ppm	121	149	123	131

Depot: CITMILCON
Unique No: 11099801
Signed: Angela Borella
Report Date: 28 Jun 2024



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GRAPHS

