



CONSTRUCTION EQUIPMENT

VOLVO L120H 633400 - FRONT AXLE



Sample No: VCP443997
Oil Type: VALVOLINE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP443997	VCP439000	VCP437225	VCP442182
Sample Date	13 Jun 2024	02 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	42.7	43.0	43.5	41.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	19	20	31
Sodium	ppm	2	1	2	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	68	60	100	156
Copper	ppm	<1	<1	0	1
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	1	<1	2	4
Molybdenum	ppm	1	<1	3	8
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	4	8
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3830	4105	3593	3649
Magnesium	ppm	16	17	15	23
Zinc	ppm	1509	1689	1411	1548
Phosphorus	ppm	1217	1433	1180	1276
Barium	ppm	0	0	0	0
Boron	ppm	119	155	124	133

Depot: CITMILCON
Unique No: 11099800
Signed: Angela Borella
Report Date: 28 Jun 2024



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GRAPHS

