



CONSTRUCTION EQUIPMENT

LKQ MLF-MAR14-018 VOLVO L70G 614241 - FRONT AXLE



Sample No: VCP450472
Oil Type: VOLVO WB 102
Job No: MLF-MAR14-018



SAMPLE INFORMATION

Sample Number	VCP450472	VCP391519	VCP263068	VCE249097
Sample Date	21 Mar 2024	10 Jan 2024	16 Apr 2020	22 Mar 2018
Machine Hours	16840	16437	10469	6299
Oil Hours	0	2000	0	2000
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT (CE)

1051 Heritage Rd.
 Burlington, ON
 CA L7L 4Y1

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OIL CONDITION

Visc @ 40°C	cSt	42.6	43.7	39.3	42.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	12	8	11
Sodium	ppm	<1	6	4	2
Potassium	ppm	<1	<1	<1	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	6	17	12	14
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	2	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	4183	4035	4255	4039
Magnesium	ppm	14	14	11	11
Zinc	ppm	1630	1575	1710	1599
Phosphorus	ppm	1298	1353	1360	1287
Barium	ppm	0	0	<1	0
Boron	ppm	120	121	122	123

Depot: VOLVO0252
Unique No: 5750148
Signed: Wes Davis
Report Date: 27 Mar 2024



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GRAPHS

