



CONSTRUCTION EQUIPMENT

TRIPLE M METAL LP MLF-MAR14-022 VOLVO L220H 2461 - FRONT AXLE



Sample No: VCP450477
Oil Type: VOLVO WB 102
Job No: MLF-MAR14-022



SAMPLE INFORMATION

Sample Number	VCP450477	VCP391992	VCP380085	VCP394985
Sample Date	20 Mar 2024	08 Feb 2024	04 Dec 2023	19 Jul 2023
Machine Hours	25254	24447	23552	22253
Oil Hours	1000	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT (CE)

1051 Heritage Rd.
Burlington, ON
CA L7L 4Y1

Contact: Sue Hooton
shooton@strongco.com
T: (905)331-3835
F: (905)643-6077



OIL CONDITION

Visc @ 40°C	cSt	43.4	42.6	40.3	43.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	10	13	14	16
Sodium	ppm	<1	<1	1	4
Potassium	ppm	0	<1	<1	1



WEAR METALS

Iron	ppm	13	33	28	60
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	2	1	2
Chromium	ppm	0	<1	<1	1
Molybdenum	ppm	0	0	0	1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4094	3760	3804	4264
Magnesium	ppm	16	23	24	28
Zinc	ppm	1540	1459	1535	1630
Phosphorus	ppm	1301	1262	1211	1341
Barium	ppm	0	0	<1	0
Boron	ppm	118	108	112	129

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.

Depot: VOLVO0252
Unique No: 5748950
Signed: Wes Davis
Report Date: 21 Mar 2024

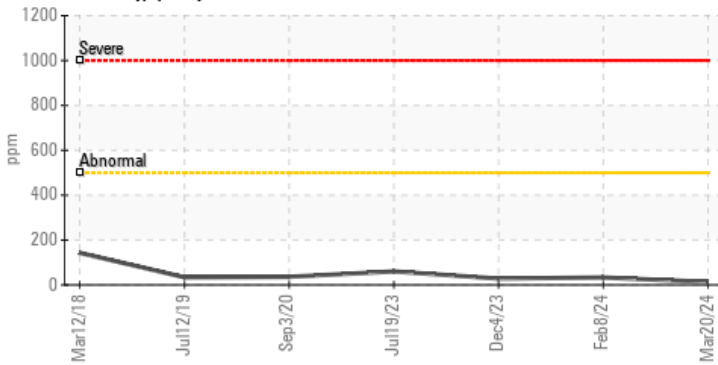


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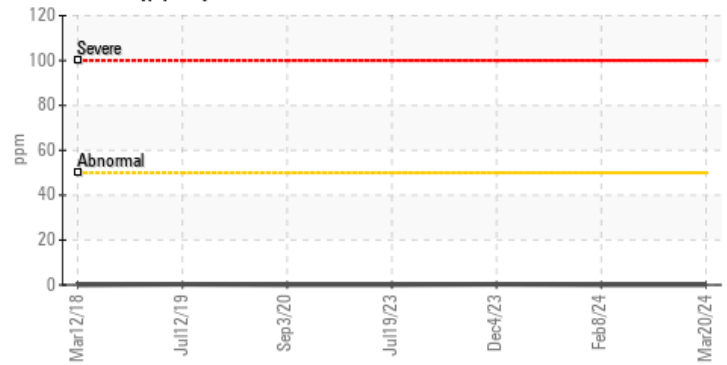


GRAPHS

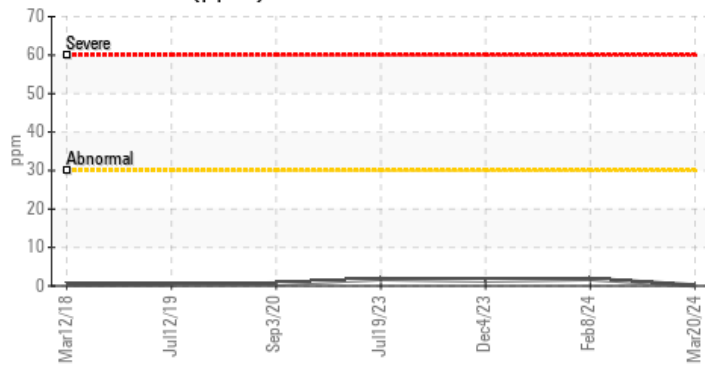
Iron (ppm)



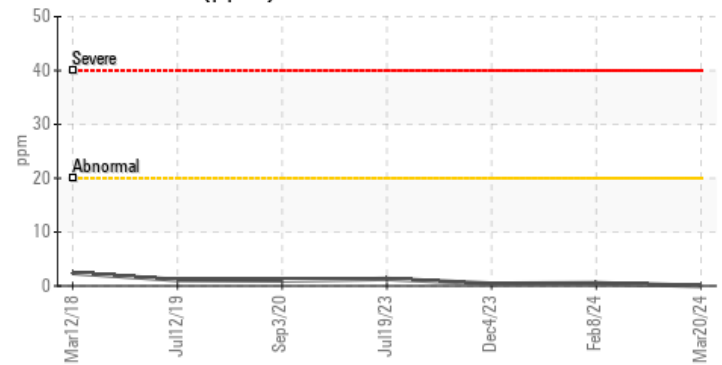
Lead (ppm)



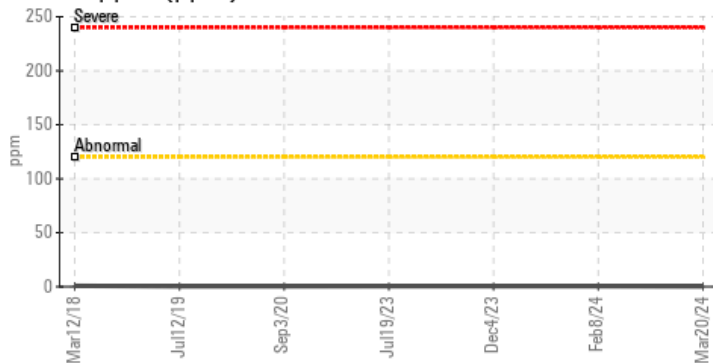
Aluminum (ppm)



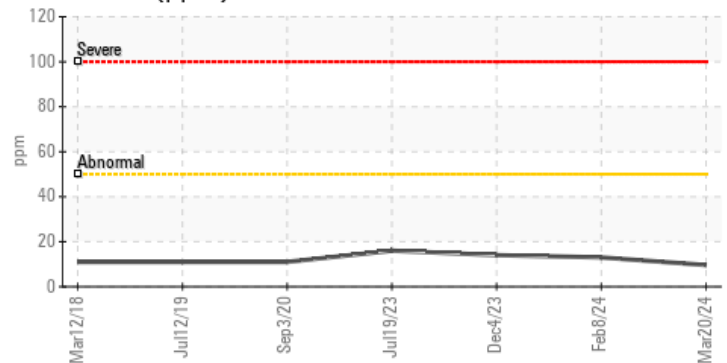
Chromium (ppm)



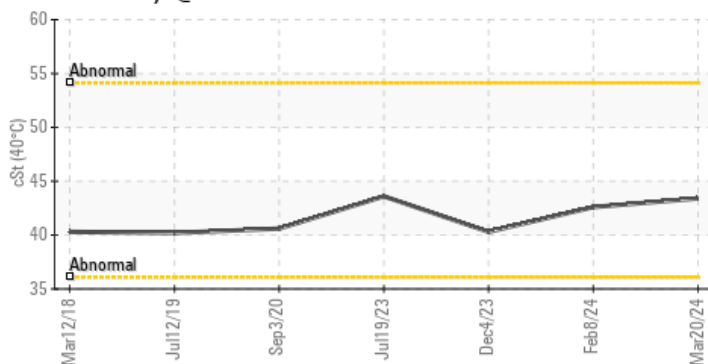
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

