



CONSTRUCTION EQUIPMENT

397088 VOLVO L120H 632718 - TRANSMISSION (AUTO)



Sample No: VCP393853
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 397088



SAMPLE INFORMATION

Sample Number	VCP393853	VCP394564	VCP391969	VCP332700
Sample Date	01 Mar 2024	23 Feb 2024	24 Apr 2023	31 Aug 2022
Machine Hours	13026	13026	8229	4837
Oil Hours	0	0	0	3800
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	ATTENTION	ATTENTION	NORMAL	NORMAL

STRONGCO EQUIP (AB)
 6 - 38403 BURNT LAKE TRAIL
 RED DEER COUNTY, AB
 CA T4S 2L4
 Contact: Perry Doyle
 pdoyle@strongco.com
 T: (403)391-3520
 F: (403)346-3487



OIL CONDITION

Visc @ 40°C	cSt	33.1	33.3	26.3	26.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	5	4	8
Sodium	ppm	2	1	2	5
Potassium	ppm	<1	2	0	2



WEAR METALS

Iron	ppm	42	38	33	68
Copper	ppm	82	84	6	10
Lead	ppm	2	2	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	6	6	3	4
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	8	8	<1	<1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	406	404	127	121
Magnesium	ppm	102	103	2	5
Zinc	ppm	213	216	23	36
Phosphorus	ppm	340	344	182	168
Barium	ppm	0	0	<1	4
Boron	ppm	74	73	64	51

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. Additive levels indicate the addition of a different brand, or type of fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO9652
Unique No: 5746259
Signed: Kevin Marson
Report Date: 11 Mar 2024

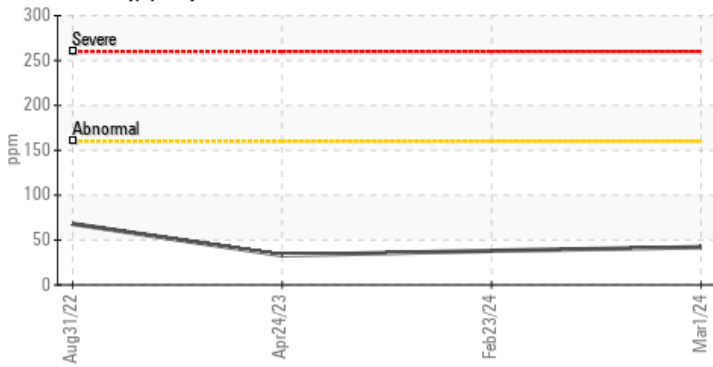


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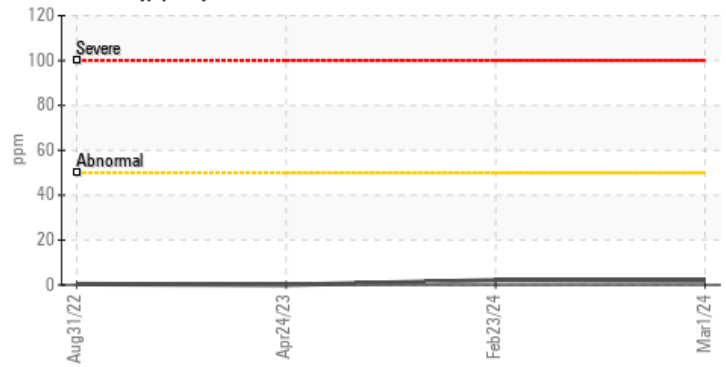


GRAPHS

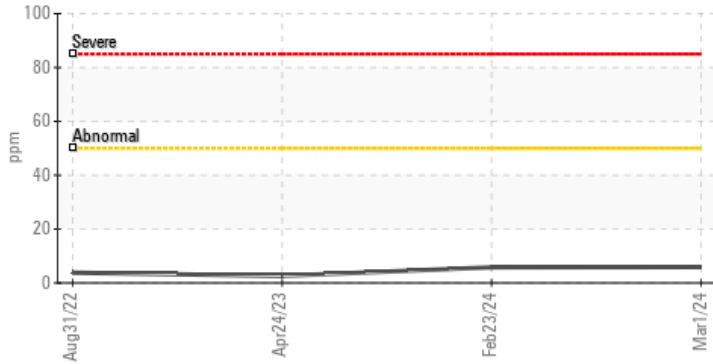
Iron (ppm)



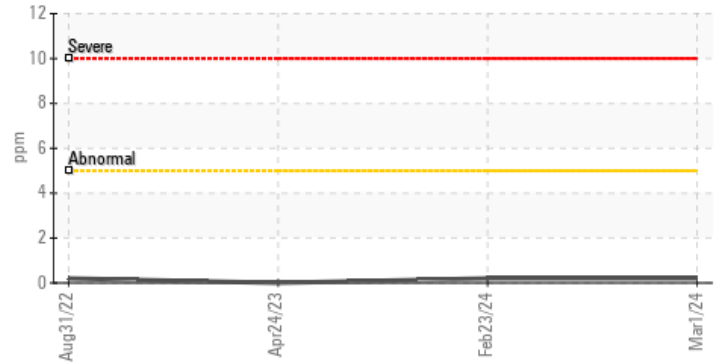
Lead (ppm)



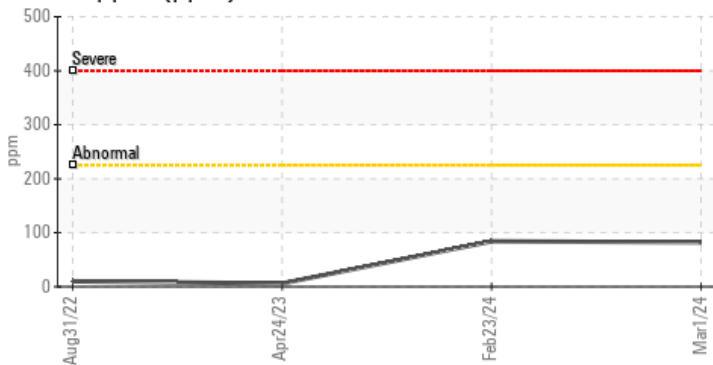
Aluminum (ppm)



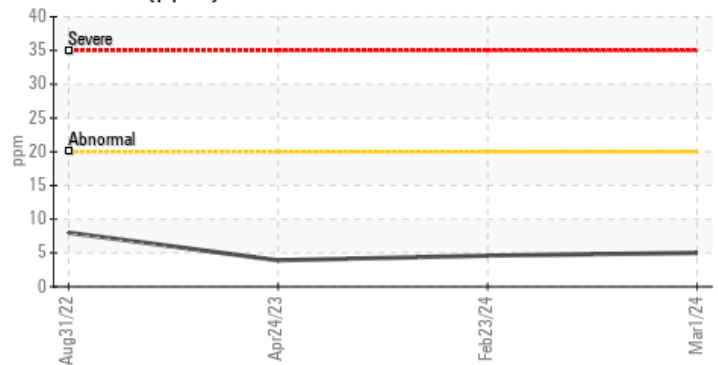
Chromium (ppm)



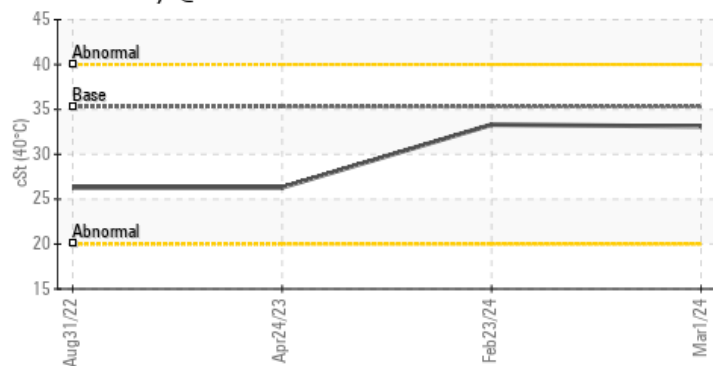
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

