



CONSTRUCTION EQUIPMENT

S50100644 RAMONA DIS VOLVO L120 66542 - TRANSMISSION (AUTO)



Sample No: VCP414462
Oil Type: VOLVO AT 102
Job No: S50100644 RAMONA DIS



SAMPLE INFORMATION

Sample Number	VCP414462	VCP349765	VCP281979	VCP102512
Sample Date	05 Jan 2024	20 Jul 2022	03 Nov 2020	15 Jun 2011
Machine Hours	39357	37068	32930	7292
Oil Hours	0	0	0	2000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

VCES- VOLVO CONSTRUCTION EQUIPMENT

12345 MAPLEVIEW STREET
 LAKESIDE, CA
 US 92040

Contact: Mark Stewart
 mark.stewart@vcesvolvo.com

T: X
 F: X



OIL CONDITION

Visc @ 40°C	cSt	31.7	36.1	28.2	23.69
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	<1	2	6
Sodium	ppm	0	<1	1	15
Potassium	ppm	<1	0	<1	<1

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	8	5	6	20
Copper	ppm	2	2	<1	86
Lead	ppm	<1	0	0	0
Tin	ppm	1	0	0	0
Aluminum	ppm	2	1	2	2
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	2	<1	1	4
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	78	37	96	421
Magnesium	ppm	6	<1	13	5
Zinc	ppm	10	6	23	108
Phosphorus	ppm	213	255	182	486
Barium	ppm	<1	0	0	0
Boron	ppm	92	145	85	129

Depot: VOLVO4488
Unique No: 10832969
Signed: Doug Bogart
Report Date: 23 Jan 2024

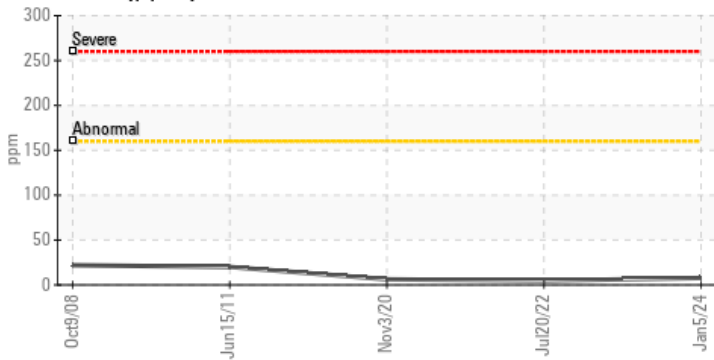


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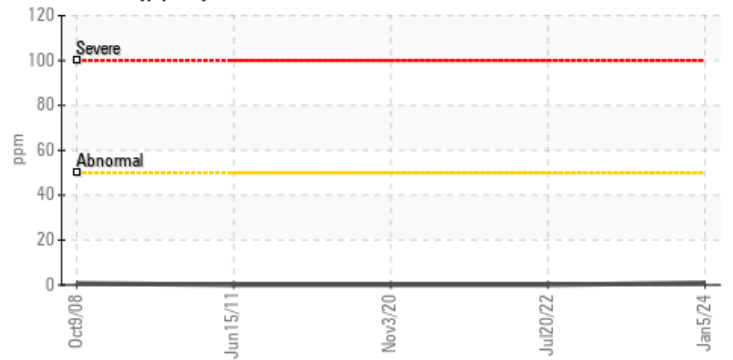


GRAPHS

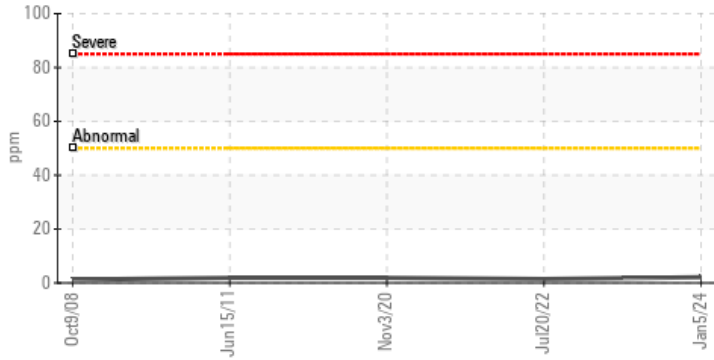
Iron (ppm)



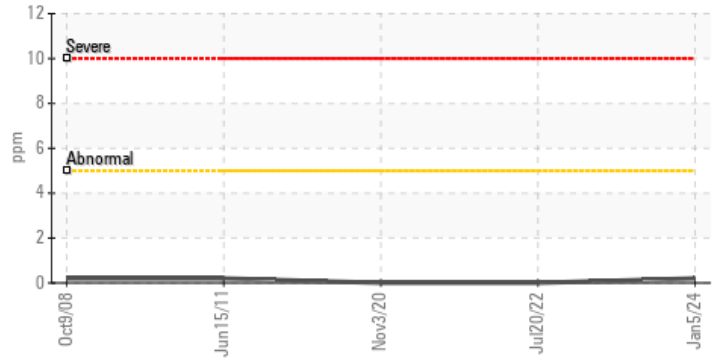
Lead (ppm)



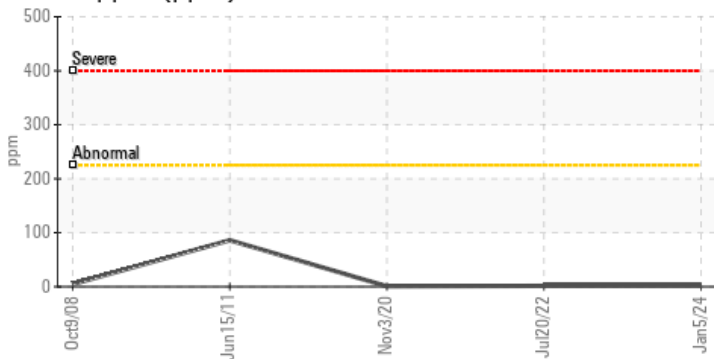
Aluminum (ppm)



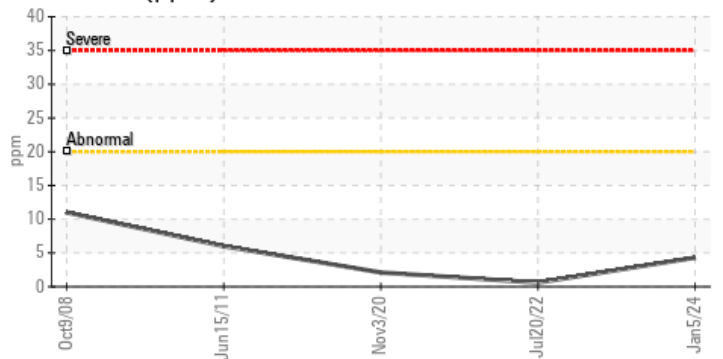
Chromium (ppm)



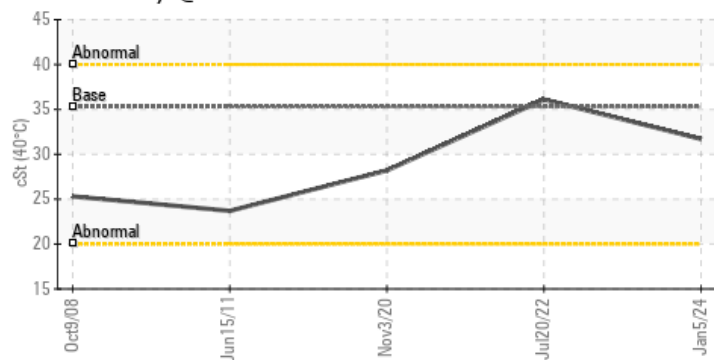
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

