



CONSTRUCTION EQUIPMENT

633991 MOSAIC VOLVO L220H 3205 - TRANSMISSION (AUTO)



Sample No: VCP429929
Oil Type: VOLVO AT 102
Job No: 633991 MOSAIC



SAMPLE INFORMATION

Sample Number	VCP429929	VCP409533	VCP364281	VCP363471
Sample Date	17 Nov 2023	16 Feb 2023	23 Aug 2022	18 May 2022
Machine Hours	6388	5406	4493	3819
Oil Hours	2000	1400	1500	1800
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.7	27.7	29.8	25.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	6	9	10
Sodium	ppm	5	2	6	3
Potassium	ppm	19	1	0	2

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	84	64	144	125
Copper	ppm	6	4	9	8
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	4	4	8	7
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	72	86	104	99
Magnesium	ppm	2	<1	0	2
Zinc	ppm	72	1	25	25
Phosphorus	ppm	177	183	154	145
Barium	ppm	0	0	6	5
Boron	ppm	39	75	58	56

Depot: VOLVO0093
Unique No: 10765356
Signed: Don Baldrige
Report Date: 03 Dec 2023

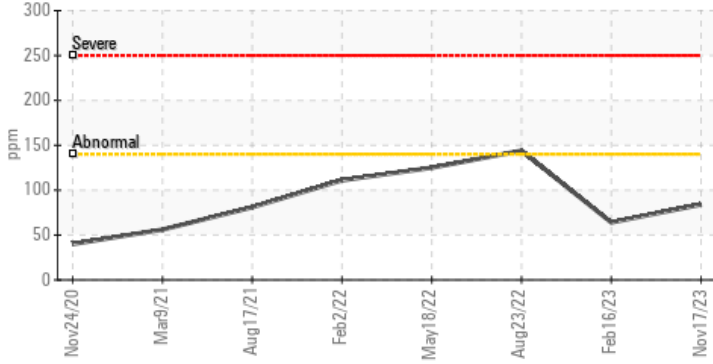


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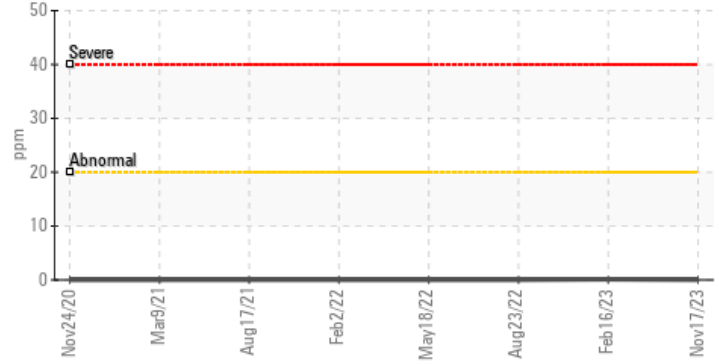


GRAPHS

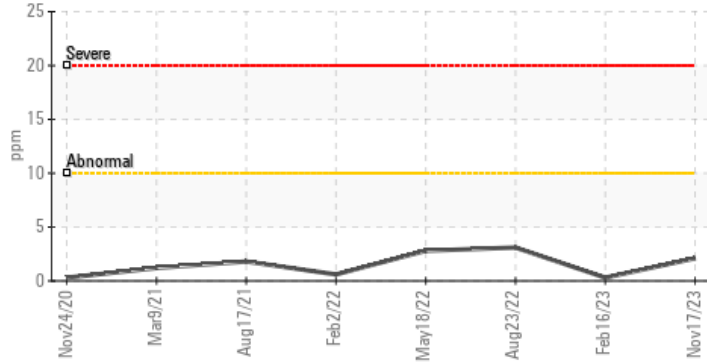
Iron (ppm)



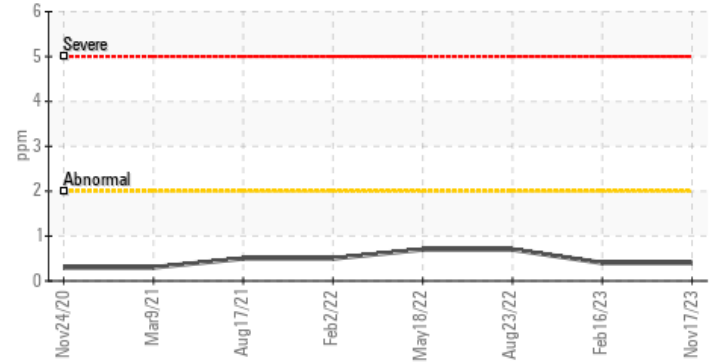
Lead (ppm)



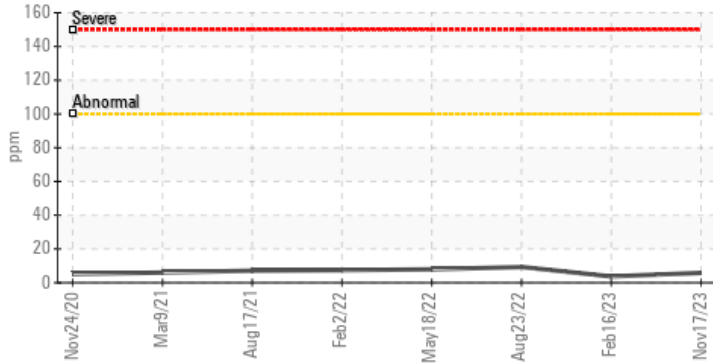
Aluminum (ppm)



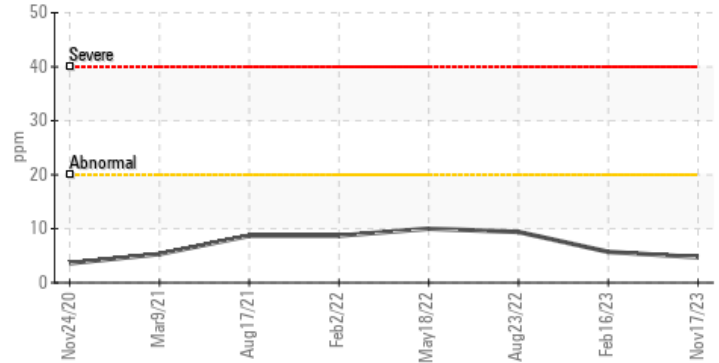
Chromium (ppm)



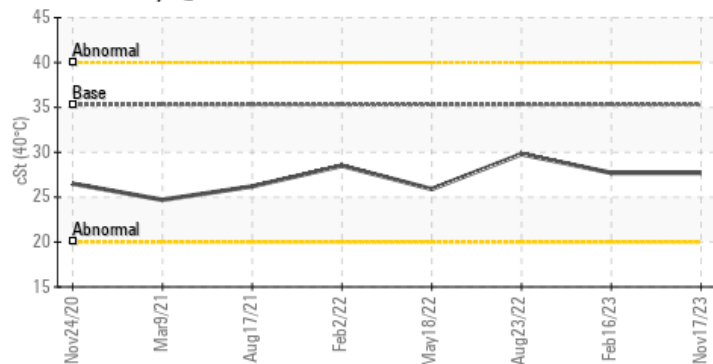
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

