



CONSTRUCTION EQUIPMENT

SWA536475-10 VOLVO L220H 2823 - TRANSMISSION (AUTO)



Sample No: VCP430293
Oil Type: VOLVO AT 102
Job No: SWA536475-10



SAMPLE INFORMATION

Sample Number	VCP430293	VCP407429	VCP330988	VCP331225
Sample Date	10 Jun 2024	09 Sep 2023	16 Sep 2022	02 Feb 2022
Machine Hours	10963	9460	7531	6156
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

CALLANAN
 RT 32 677 FLATBUSH RD
 EAST KINGSTON, NY
 US 12401
 Contact:



OIL CONDITION

Visc @ 40°C	cSt	27.9	28.0	26.1	26.2
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	4	4	4
Sodium	ppm	<1	3	3	0
Potassium	ppm	1	<1	0	2

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	187	103	48	52
Copper	ppm	33	17	6	5
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	3	4	3	1
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	2	1	<1	<1
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	2	1	1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	395	409	78	84
Magnesium	ppm	23	11	<1	<1
Zinc	ppm	174	135	0	5
Phosphorus	ppm	260	276	164	147
Barium	ppm	<1	0	0	0
Boron	ppm	64	64	64	74

Depot: CALEAS
Unique No: 11083481
Signed: Angela Borella
Report Date: 17 Jun 2024

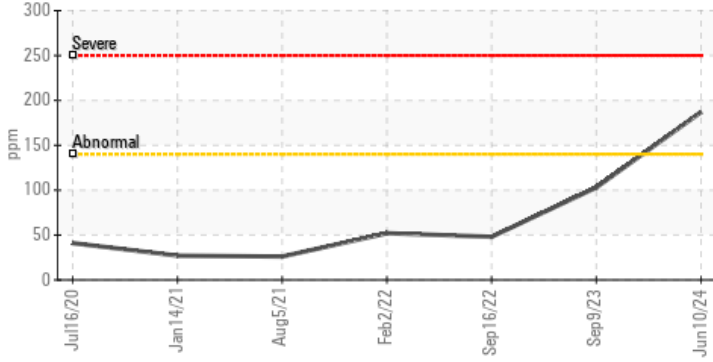


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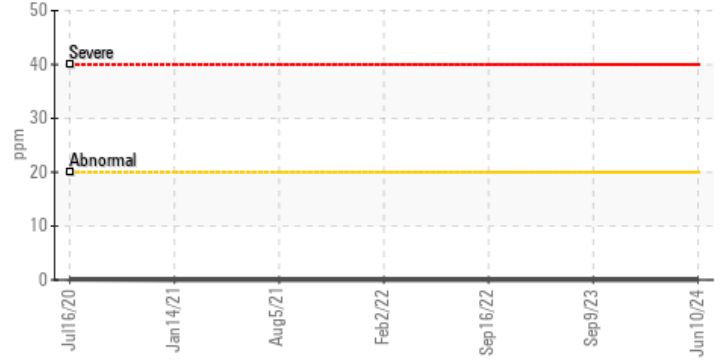


GRAPHS

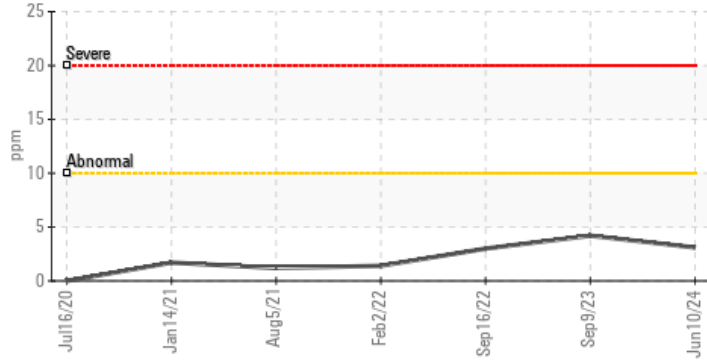
▲ Iron (ppm)



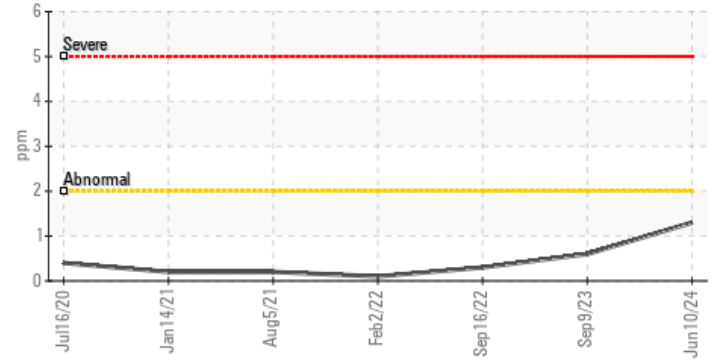
Lead (ppm)



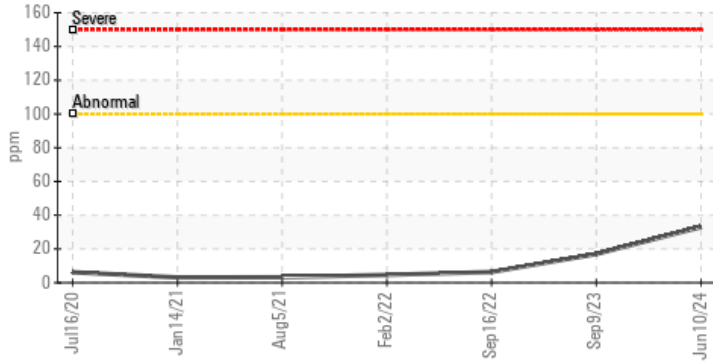
Aluminum (ppm)



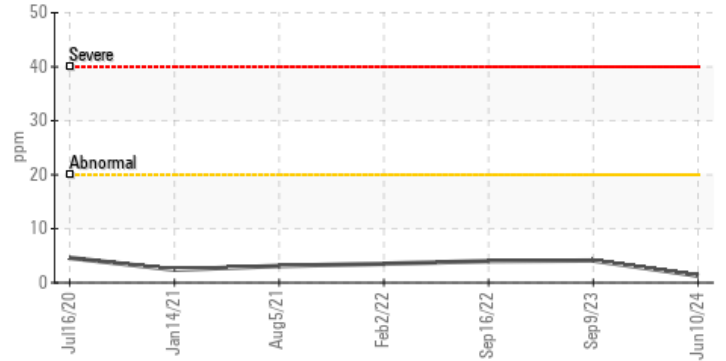
Chromium (ppm)



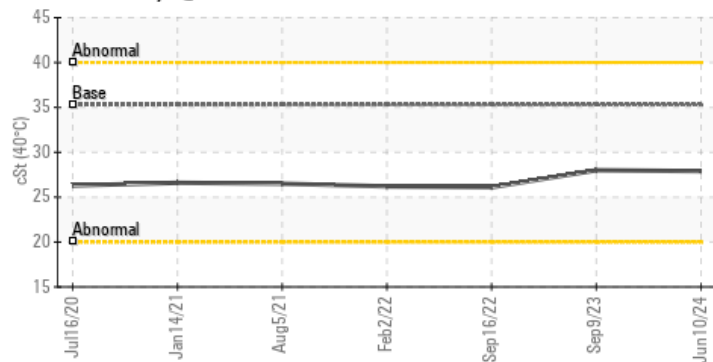
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

