



CONSTRUCTION EQUIPMENT

TMR-SUTTON 364141 VOLVO L90G 617047 - TRANSMISSION (AUTO)



Sample No: VCP429402
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP429402	VCP429148	DJJ0002357	VCP315756
Sample Date	01 Feb 2024	01 Dec 2023	18 Feb 2022	11 Aug 2021
Machine Hours	10412	10412	8185	7449
Oil Hours	0	0	800	1500
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	ABNORMAL	MARGINAL	NORMAL	NORMAL

TRADEMARK METALS RECYCLING - SUTTON
 5220 DOVER STREET
 TAMPA, FL
 US 33619
 Contact: RYAN BOWDEN



OIL CONDITION

Visc @ 40°C	cSt	95.2	28.0	26.7	26.9
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T:
 F: (813)677-3007



CONTAMINATION

Water	%	0.577	0.131	NEG	NEG
Silicon	ppm	9	<1	3	3
Sodium	ppm	2	2	5	5
Potassium	ppm	0	0	0	<1

Diagnosis

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate concentration of water present in the fluid. The fluid viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.



WEAR METALS

Iron	ppm	9	11	19	16
Copper	ppm	0	0	2	2
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	5	0	3	1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	40	0	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1628	66	97	102
Magnesium	ppm	520	0	2	2
Zinc	ppm	1123	11	18	22
Phosphorus	ppm	971	188	177	177
Barium	ppm	0	<1	0	0
Boron	ppm	52	88	71	122

Depot: TRATAMFL
Unique No: 10996242
Signed: Sean Felton
Report Date: 29 Apr 2024

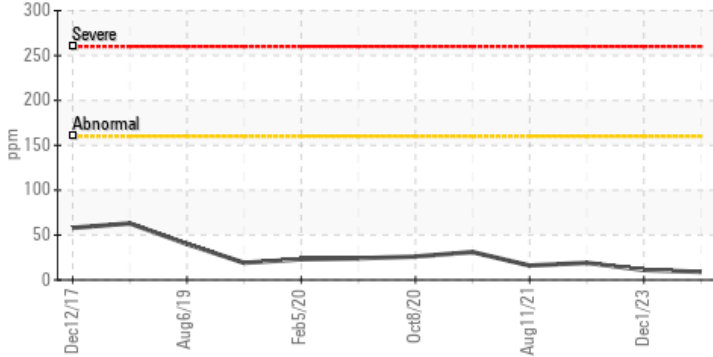


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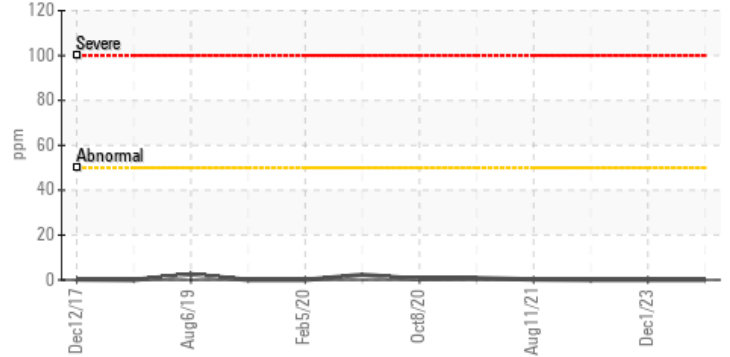


GRAPHS

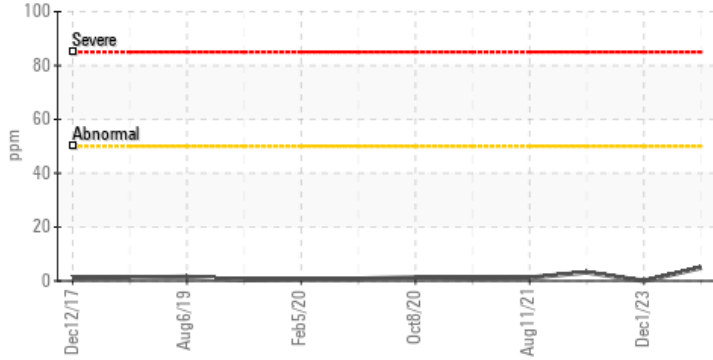
Iron (ppm)



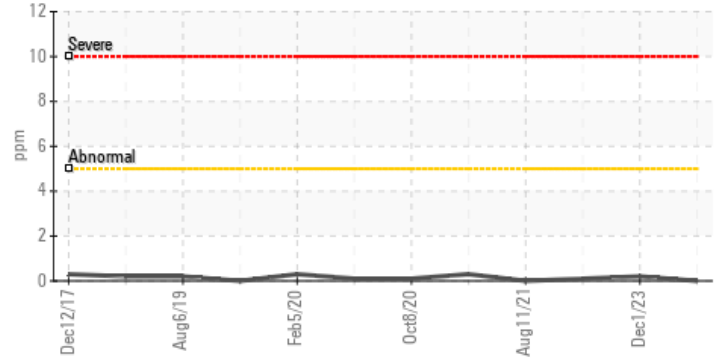
Lead (ppm)



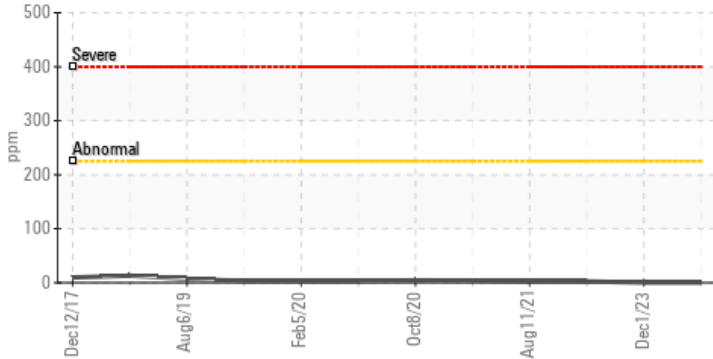
Aluminum (ppm)



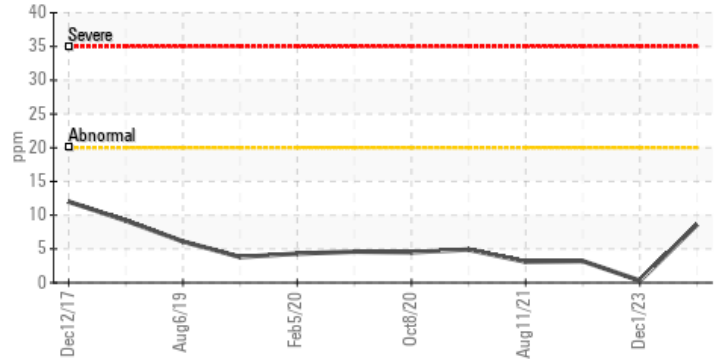
Chromium (ppm)



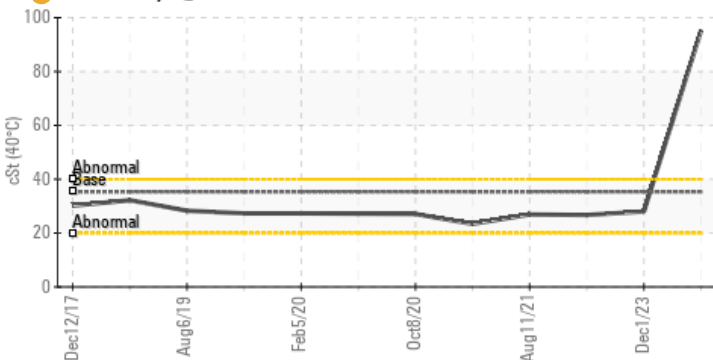
Copper (ppm)



Silicon (ppm)



● Viscosity @ 40°C



▲ Water

