



CONSTRUCTION EQUIPMENT

660034 VOLVO L110H 631294 - TRANSMISSION (AUTO)



Sample No: VCP452336
Oil Type: VOLVO AT 102
Job No: 660034



SAMPLE INFORMATION

Sample Number	VCP452336	VCP424535	VCP386256	VCP341475
Sample Date	10 Jan 2024	30 May 2023	22 Nov 2022	25 Aug 2022
Machine Hours	10887	10414	9308	8820
Oil Hours	500	2000	500	500
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	34.6	35.0	35.2	35.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	3	2
Sodium	ppm	4	0	4	4
Potassium	ppm	7	9	7	5

Diagnosis

Resample at the next service interval to monitor. All 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	65	60	44	38
Copper	ppm	6	5	2	2
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	23	20	12	9
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	8	10	9	10
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	279	310	281	284
Magnesium	ppm	17	18	18	15
Zinc	ppm	84	95	89	88
Phosphorus	ppm	223	218	205	215
Barium	ppm	0	0	0	1
Boron	ppm	73	79	72	100

Depot: RIPTAM
Unique No: 10862391
Signed: Wes Davis
Report Date: 06 Feb 2024

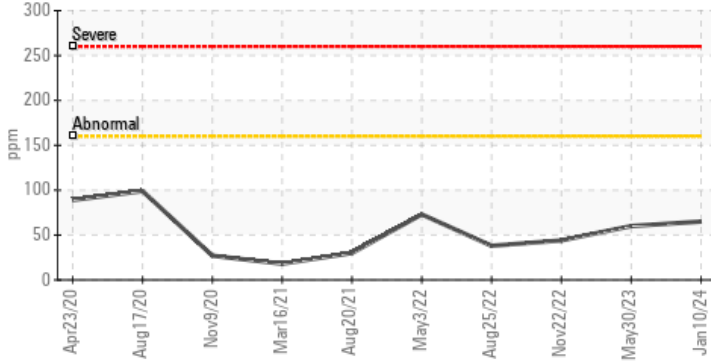


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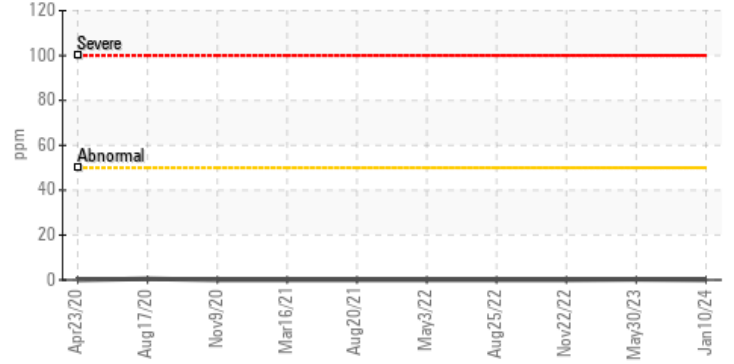


GRAPHS

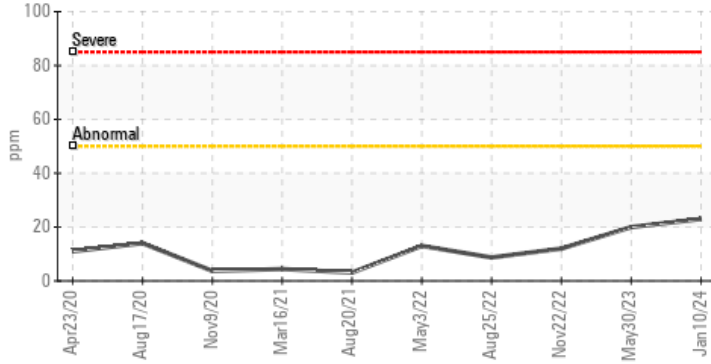
Iron (ppm)



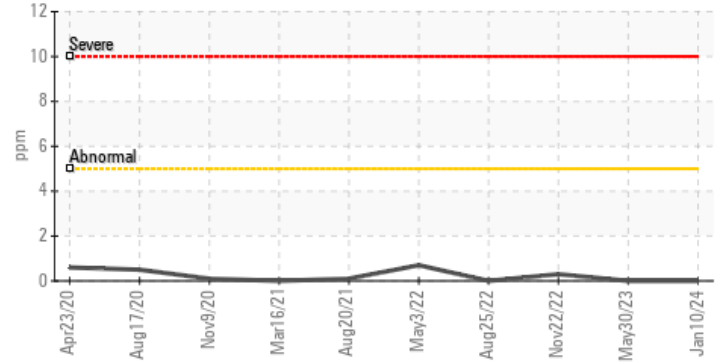
Lead (ppm)



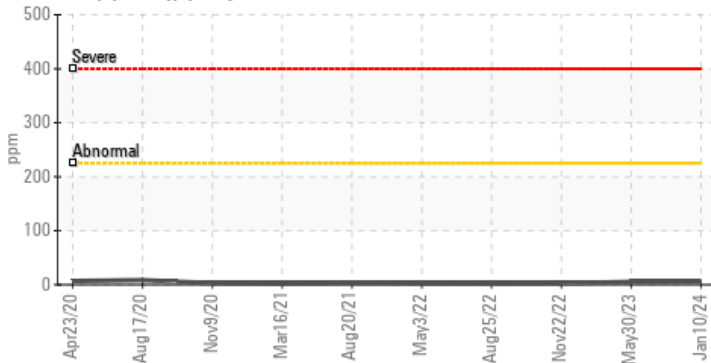
Aluminum (ppm)



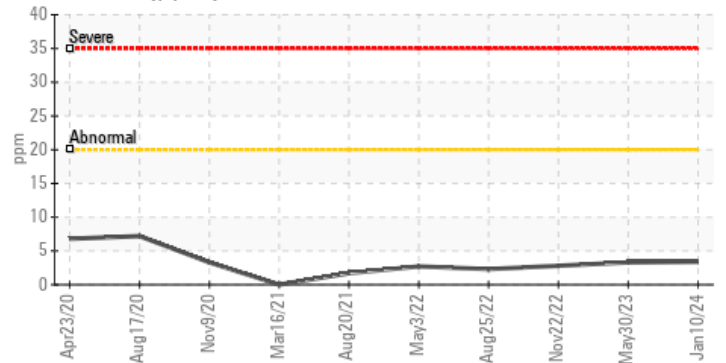
Chromium (ppm)



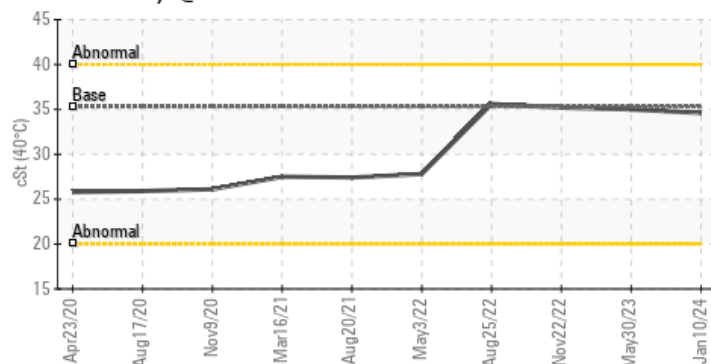
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

