



CONSTRUCTION EQUIPMENT

VOLVO L90H 624928 - TRANSMISSION (AUTO)



Sample No: VCP435582
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP435582	VCP400026	VCP349376	VCP311897
Sample Date	06 Dec 2023	27 Feb 2023	17 Jan 2022	08 Jun 2021
Machine Hours	3956	2861	2321	1744
Oil Hours	0	2861	1500	1744
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: ROBERT TURNER
 rturner@ripatampa.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	34.3	34.1	34.4	34.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	6	6	5
Sodium	ppm	4	3	<1	2
Potassium	ppm	0	0	2	<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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	143	113	121	100
Copper	ppm	9	8	8	7
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	4	4	3	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	5	5	5	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	64	76	66	79
Magnesium	ppm	0	<1	0	1
Zinc	ppm	207	199	220	221
Phosphorus	ppm	240	232	246	252
Barium	ppm	2	0	0	0
Boron	ppm	13	17	25	26

Depot: RIPTAM
Unique No: 10871473
Signed: Don Baldrige
Report Date: 11 Feb 2024

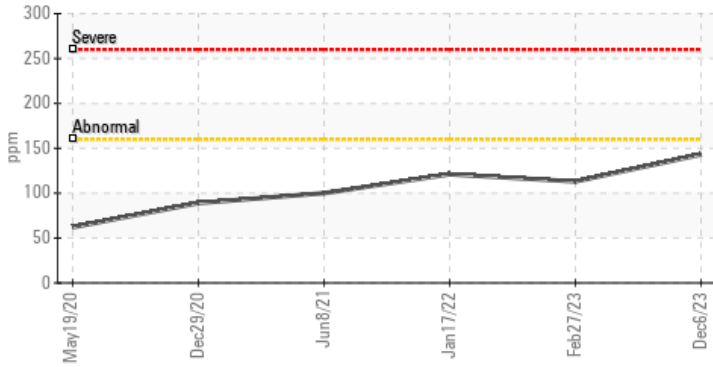


CONSTRUCTION EQUIPMENT

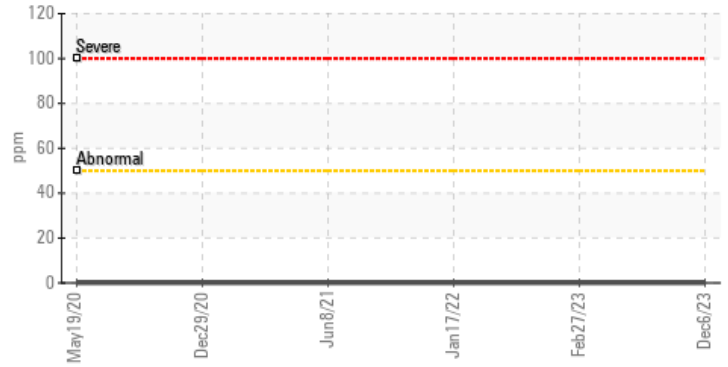


VOLVO GRAPHS

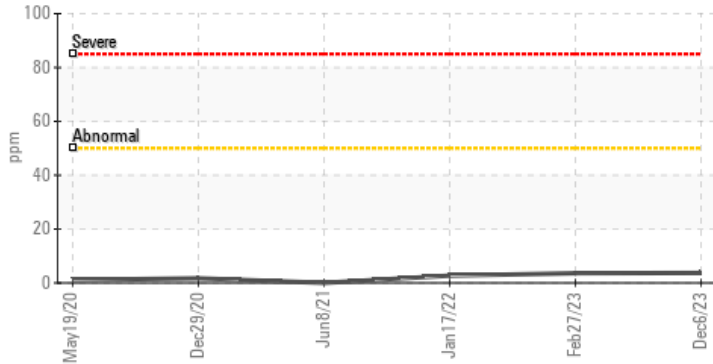
Iron (ppm)



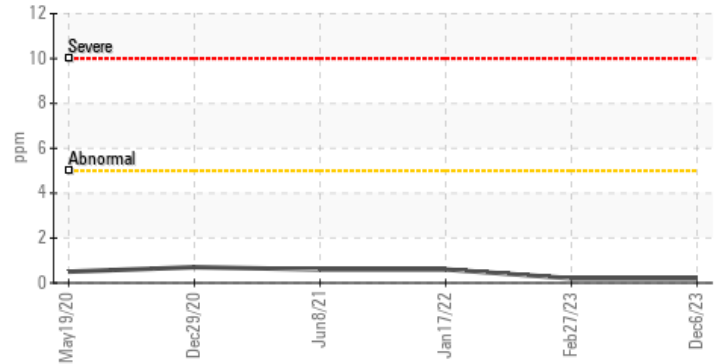
Lead (ppm)



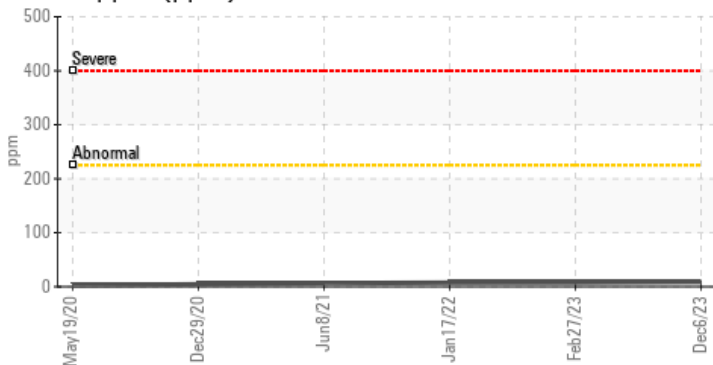
Aluminum (ppm)



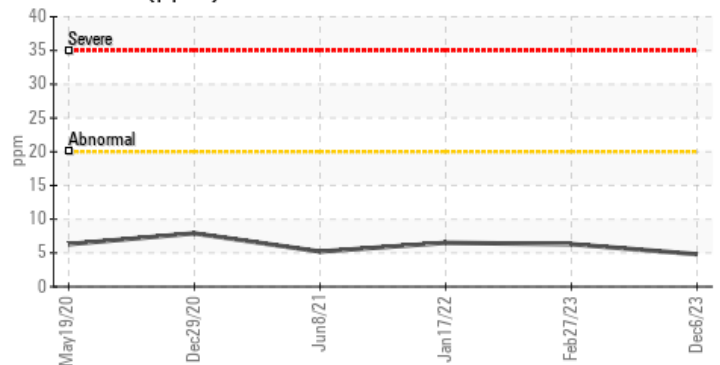
Chromium (ppm)



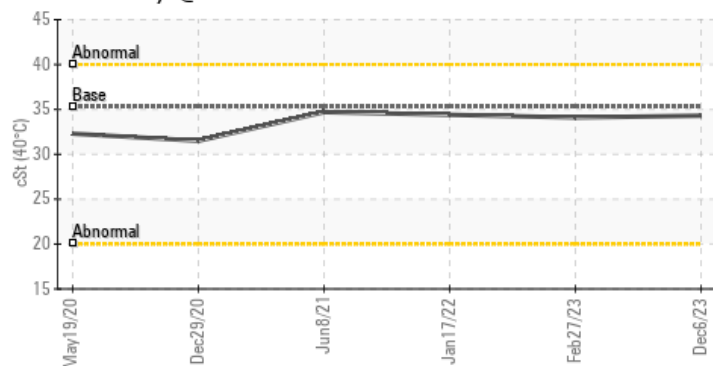
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

