



CONSTRUCTION EQUIPMENT

VOLVO L110H 631121 - TRANSMISSION (AUTO)



Sample No: VCP412086

Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102

Job No:



SAMPLE INFORMATION

Sample Number	VCP412086	VCP398802	VCP375843	VCP350107
Sample Date	15 Jun 2023	28 Dec 2022	17 Jun 2022	10 Feb 2022
Machine Hours	9469	8847	8013	7433
Oil Hours	0	1500	500	1000
Oil Changed	Not Chngd	Changed	Not Chngd	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	28.3	26.9	27.0	27.3
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CONTAMINATION

Silicon	ppm	1	4	4	4
Sodium	ppm	1	3	0	1
Potassium	ppm	0	<1	1	<1



WEAR METALS

Iron	ppm	11	29	17	17
Copper	ppm	0	4	3	3
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	8	8	9
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	65	79	82	80
Magnesium	ppm	0	1	2	2
Zinc	ppm	0	0	9	0
Phosphorus	ppm	190	188	180	180
Barium	ppm	0	0	2	0
Boron	ppm	97	79	96	94

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.

Depot: RIPTAM
Unique No: 10552385
Signed: Wes Davis
Report Date: 13 Jul 2023

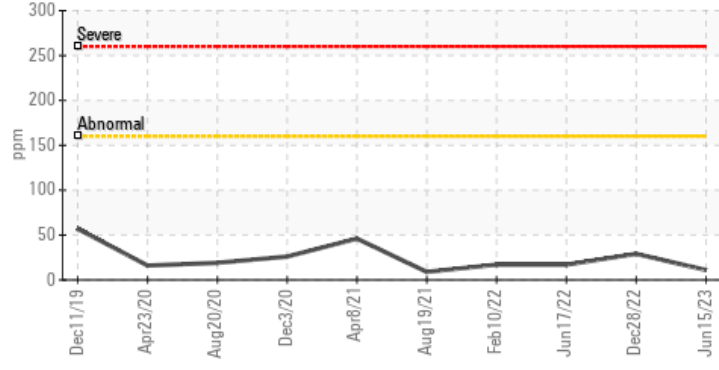


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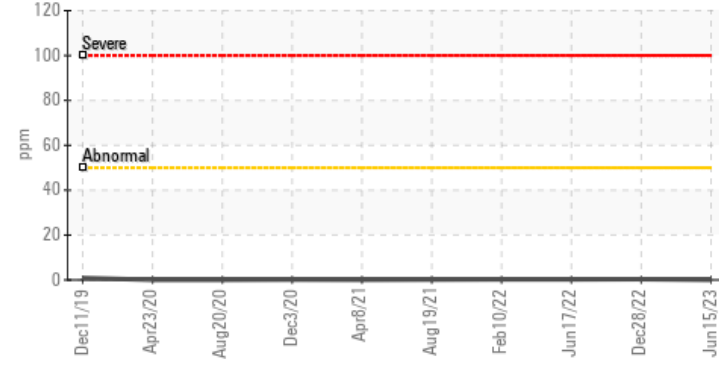


GRAPHS

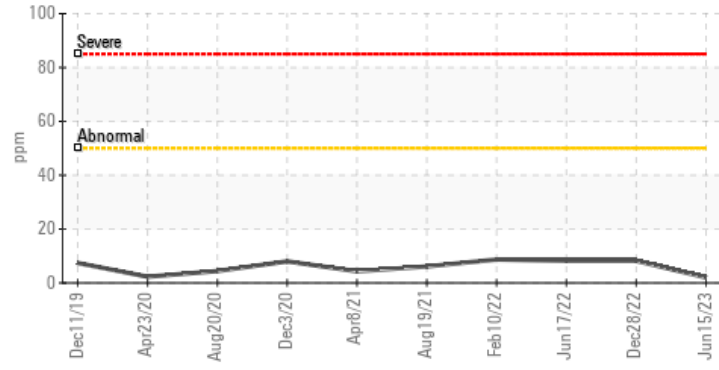
Iron (ppm)



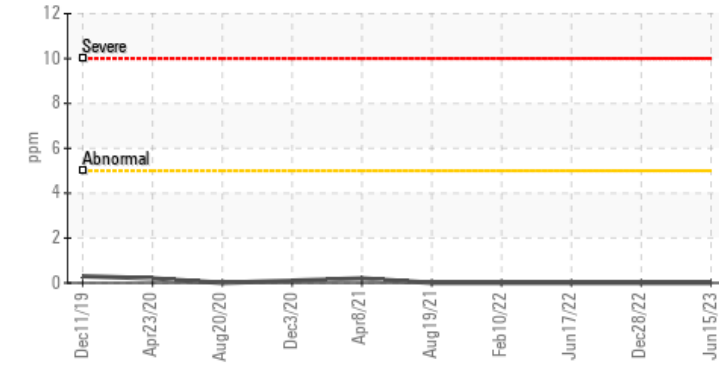
Lead (ppm)



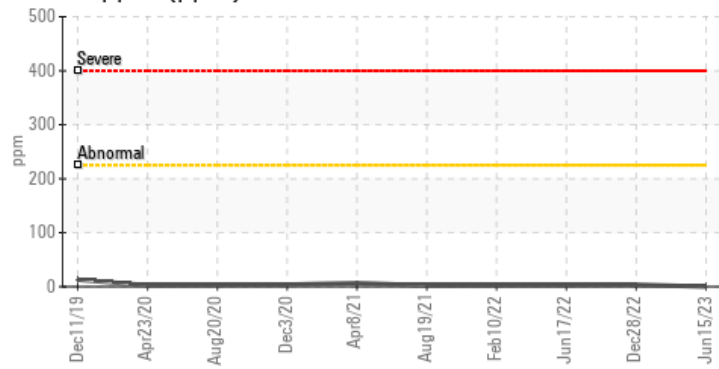
Aluminum (ppm)



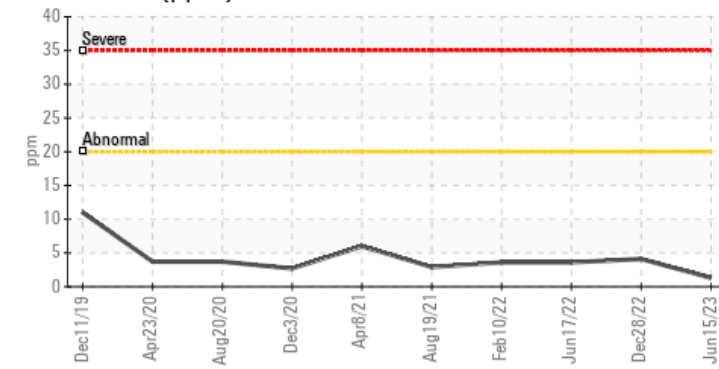
Chromium (ppm)



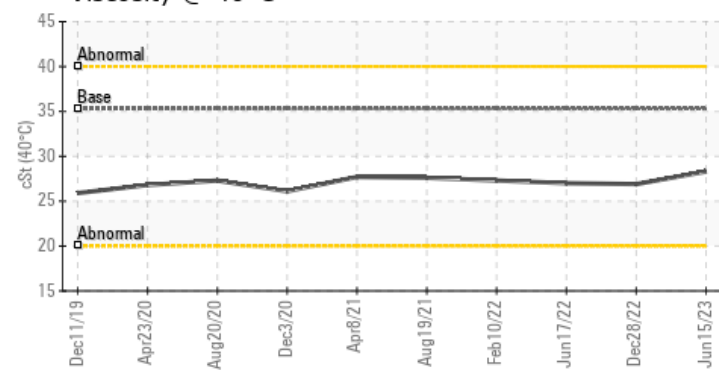
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

