



CONSTRUCTION EQUIPMENT

VOLVO L90H 624404 - TRANSMISSION (AUTO)



Sample No: VCP407624

Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102

Job No:



SAMPLE INFORMATION

Sample Number	VCP407624	VCP330867	VCP347203	VCP310186
Sample Date	15 Jun 2023	01 Apr 2022	17 Dec 2021	20 Jul 2021
Machine Hours	0	13581	12261	10674
Oil Hours	0	0	0	0
Oil Changed	Not Changd	N/A	Not Changd	N/A
Sample Status	ABNORMAL	NORMAL	ABNORMAL	NORMAL

ALTA EQUIPMENT

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 SYRACUSE, NY
 US 13206
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OIL CONDITION

Visc @ 40°C	cSt	29.8	27.3	27.4	27.7
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CONTAMINATION

Water	%	0.273	---	---	---
Silicon	ppm	3	3	4	4
Sodium	ppm	11	0	0	2
Potassium	ppm	13	2	<1	<1

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	12	11	13	12
Copper	ppm	3	6	5	4
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	0	0	0
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	2	<1	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	86	81	77	75
Magnesium	ppm	1	2	0	2
Zinc	ppm	4	5	0	0
Phosphorus	ppm	186	189	196	175
Barium	ppm	0	0	0	0
Boron	ppm	84	89	88	221

Depot: VOLV00142
Unique No: 10522379
Signed: Jonathan Hester
Report Date: 26 Jun 2023

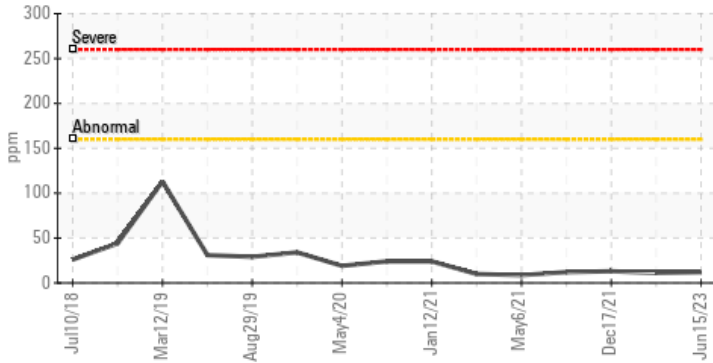


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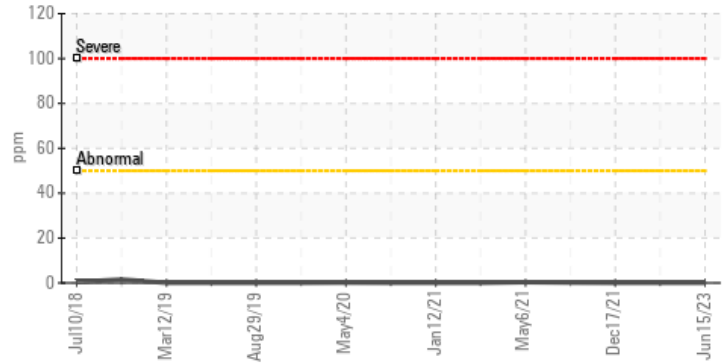


GRAPHS

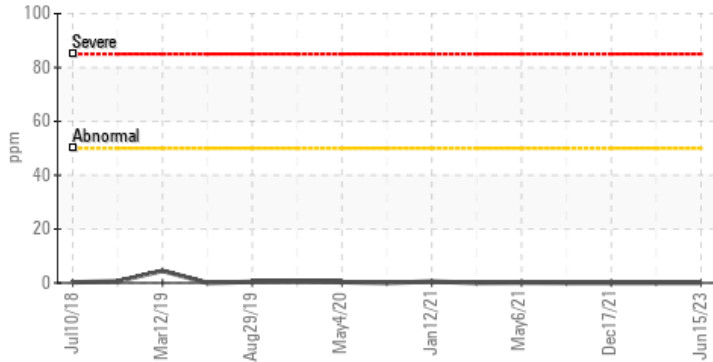
Iron (ppm)



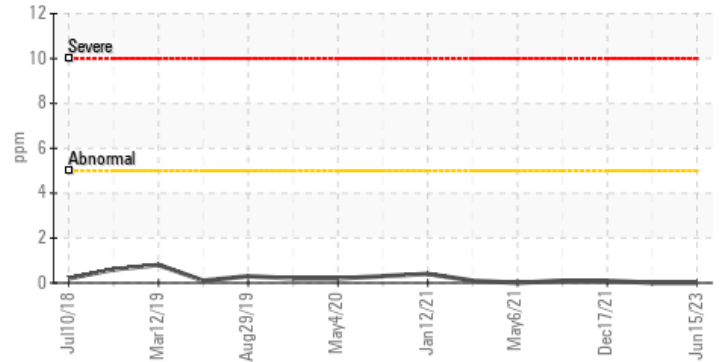
Lead (ppm)



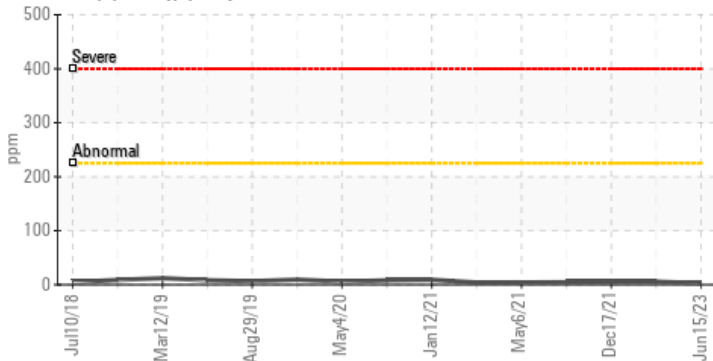
Aluminum (ppm)



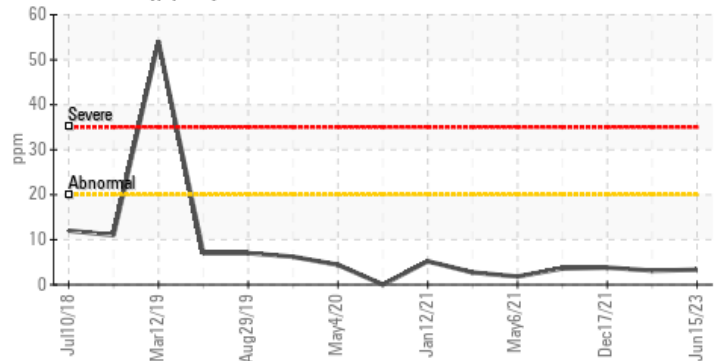
Chromium (ppm)



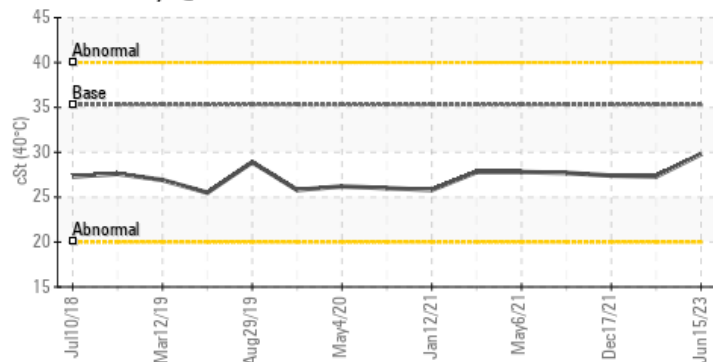
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Water

