



CONSTRUCTION EQUIPMENT

VOLVO L70H 624454 - TRANSMISSION



Sample No: VCP435630
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP435630	VCP419343	---	---
Sample Date	20 Dec 2023	23 May 2023	---	---
Machine Hours	3446	2683	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	32.84	32.9	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	4	38	---	---
Sodium	ppm	2	5	---	---
Potassium	ppm	2	3	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	0	213	---	---
Copper	ppm	2	130	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	10	---	---
Chromium	ppm	0	1	---	---
Molybdenum	ppm	0	1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	8	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	0	71	---	---
Magnesium	ppm	0	7	---	---
Zinc	ppm	0	130	---	---
Phosphorus	ppm	303	203	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	26	---	---

Depot: VOLVO0093
Unique No: 10808697
Signed: Jonathan Hester
Report Date: 04 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

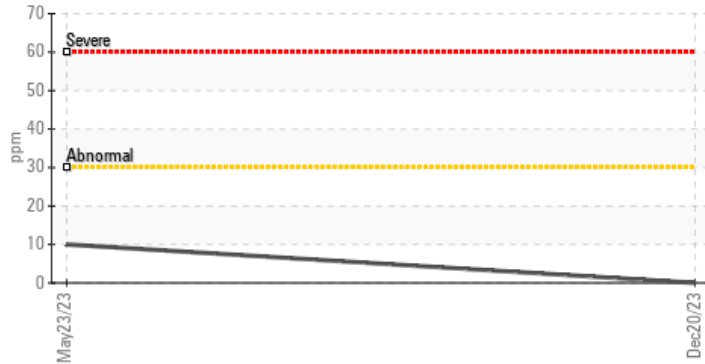
Iron (ppm)



Lead (ppm)



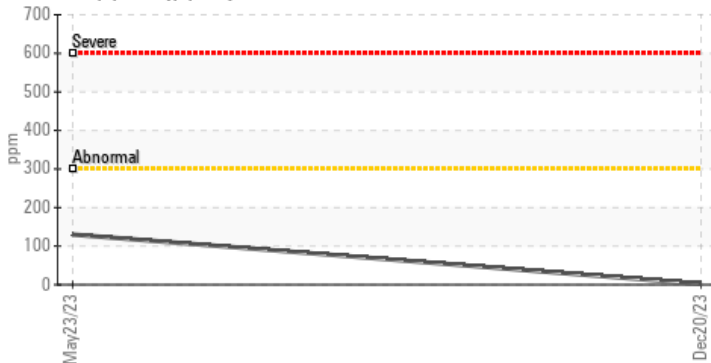
Aluminum (ppm)



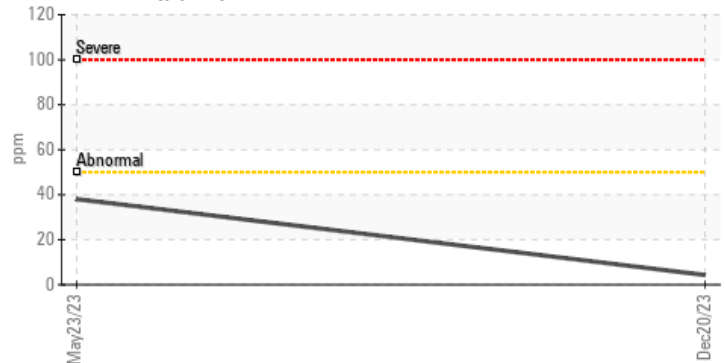
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

