



CONSTRUCTION EQUIPMENT

VOLVO L110H 631123 - TRANSMISSION



Sample No: VCP446471
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP446471	VCP444161	VCP411364	VCP397310
Sample Date	10 Jul 2024	04 Mar 2024	11 Apr 2023	13 Jan 2023
Machine Hours	9296	8776	7290	6729
Oil Hours	0	500	1300	2600
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
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	30.9	30.8	30.9	30.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	4	3	4
Sodium	ppm	7	5	3	4
Potassium	ppm	<1	1	<1	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 oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	57	50	37	34
Copper	ppm	8	7	5	7
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	22	19	14	15
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	54	79	77	82
Magnesium	ppm	0	3	2	2
Zinc	ppm	0	11	10	1
Phosphorus	ppm	202	162	226	238
Barium	ppm	0	0	0	0
Boron	ppm	51	51	56	56

Depot: RIPTAM
Unique No: 11125500
Signed: Don Baldrige
Report Date: 17 Jul 2024

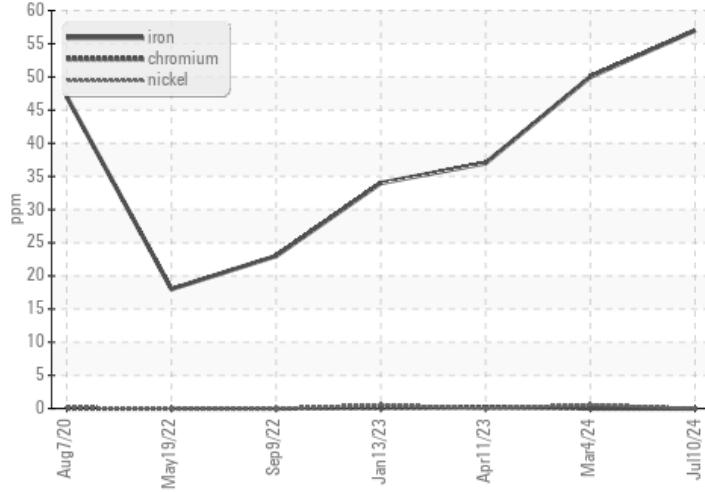


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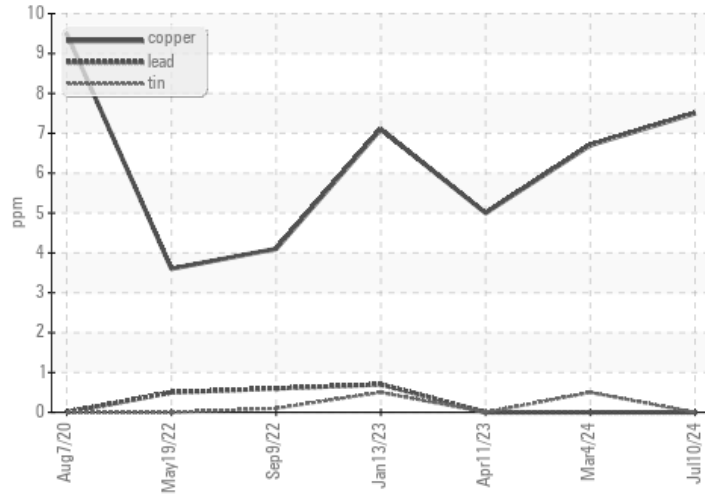


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

