



CONSTRUCTION EQUIPMENT

VOLVO A45G 352344 - TRANSMISSION (AUTO)



Sample No: VCP0008171
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP0008171	VCP420597	VCP350597	---
Sample Date	19 Jun 2024	23 Jun 2023	04 Jan 2022	---
Machine Hours	0	4120	2007	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	Not Changd	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

ALTA EQUIPMENT COMPANY
 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
 Contact: SHAWN NORTHCRAFT
 shawn.northcraft@altg.com
 T: (904)737-6000
 F: (904)737-1260



OIL CONDITION

Visc @ 40°C	cSt	28.0	27.6	27.9	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	6	5	---
Sodium	ppm	3	5	1	---
Potassium	ppm	2	3	0	---

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	27	38	29	---
Copper	ppm	31	53	37	---
Lead	ppm	0	0	0	---
Tin	ppm	5	7	3	---
Aluminum	ppm	15	21	9	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	<1	0	<1	---
Nickel	ppm	5	8	2	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	2	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	65	87	75	---
Magnesium	ppm	1	6	0	---
Zinc	ppm	3	11	2	---
Phosphorus	ppm	198	186	184	---
Barium	ppm	0	0	0	---
Boron	ppm	87	80	96	---

Depot: VOLVO0092
Unique No: 11100882
Signed: Don Baldrige
Report Date: 29 Jun 2024

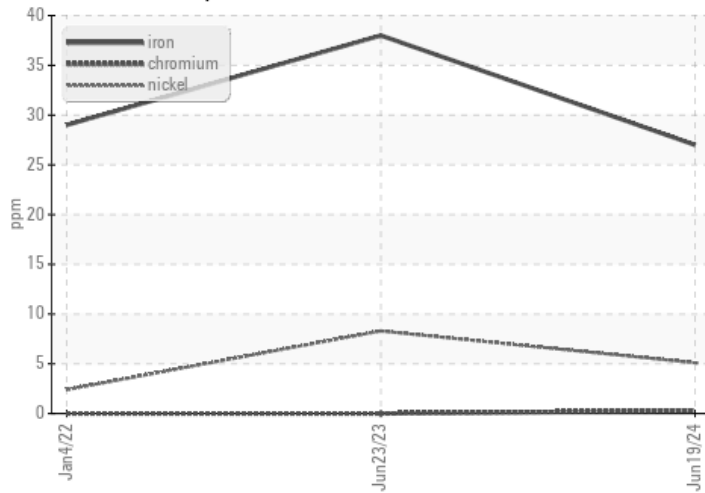


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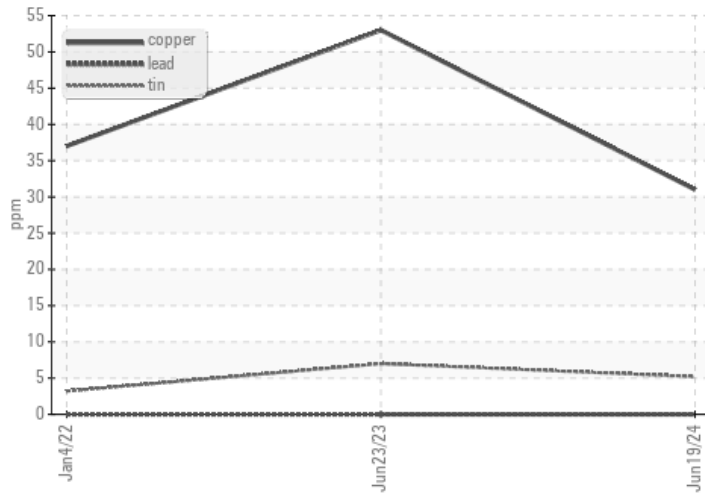


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

