



CONSTRUCTION EQUIPMENT

VOLVO A45G 342321 - TRANSMISSION (AUTO)



Sample No: VCP416626
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP416626	VCP412985	VCP405931	VCP371293
Sample Date	17 Oct 2023	11 Jul 2023	22 Mar 2023	23 Nov 2022
Machine Hours	8968	8493	8012	7534
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC
 4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207
 Contact: STEPHANI BRITTON
 sbritton@saiia.com;doug.bogart@wearcheck.com
 T: (205)943-2268
 F: (205)943-2269



OIL CONDITION

Visc @ 40°C	cSt	28.2	29.0	31.9	28.9
-------------	-----	-------------	------	------	------



CONTAMINATION

Silicon	ppm	3	2	2	2
Sodium	ppm	<1	<1	2	0
Potassium	ppm	2	0	<1	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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	14	10	12	8
Copper	ppm	3	2	4	4
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	4	3	5	3
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	86	100	71	67
Magnesium	ppm	5	4	1	0
Zinc	ppm	8	9	4	3
Phosphorus	ppm	180	184	198	192
Barium	ppm	0	0	0	0
Boron	ppm	86	91	98	111

Depot: SAIBIR
Unique No: 10715078
Signed: Angela Borella
Report Date: 31 Oct 2023

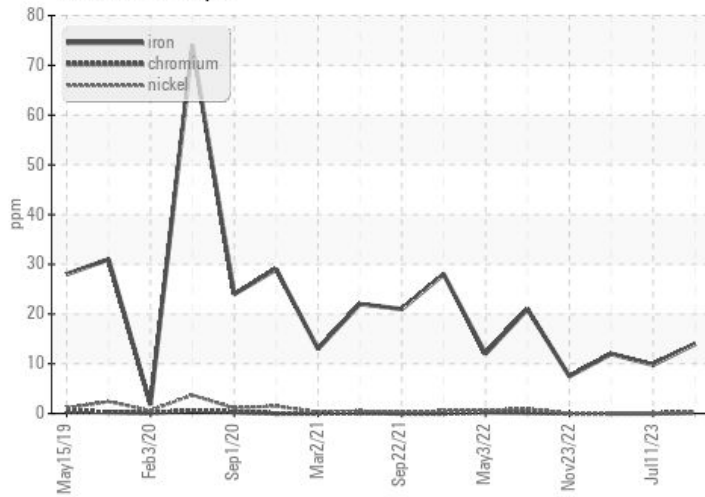


CONSTRUCTION EQUIPMENT

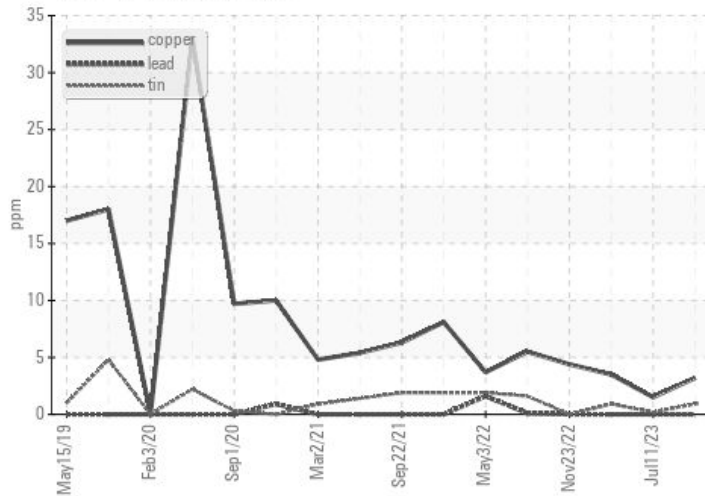


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

