



CONSTRUCTION EQUIPMENT

SW0067943 VOLVO A45G 352769 - TRANSMISSION (AUTO)



Sample No: VCP0004658
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: SWO067943



SAMPLE INFORMATION

Sample Number	VCP0004658	VCP433854	VCP416528	VCP401136
Sample Date	01 Dec 2023	20 Sep 2023	21 Jun 2023	02 Mar 2023
Machine Hours	4860	4400	3875	3355
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	ABNORMAL	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	28.4	28.6	28.6	28.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	8	5	4
Sodium	ppm	3	<1	0	0
Potassium	ppm	<1	2	2	<1



WEAR METALS

Iron	ppm	15	8	15	10
Copper	ppm	6	5	13	8
Lead	ppm	0	0	<1	0
Tin	ppm	<1	<1	2	0
Aluminum	ppm	6	6	6	5
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	<1	<1	2	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	72	80	66	66
Magnesium	ppm	2	2	0	0
Zinc	ppm	0	5	0	2
Phosphorus	ppm	186	184	185	176
Barium	ppm	0	0	0	<1
Boron	ppm	97	92	112	87

Diagnosis

The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor. Moderate concentration of visible metal present. 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.

Depot: SAIBIR
Unique No: 10780849
Signed: Don Baldrige
Report Date: 14 Dec 2023

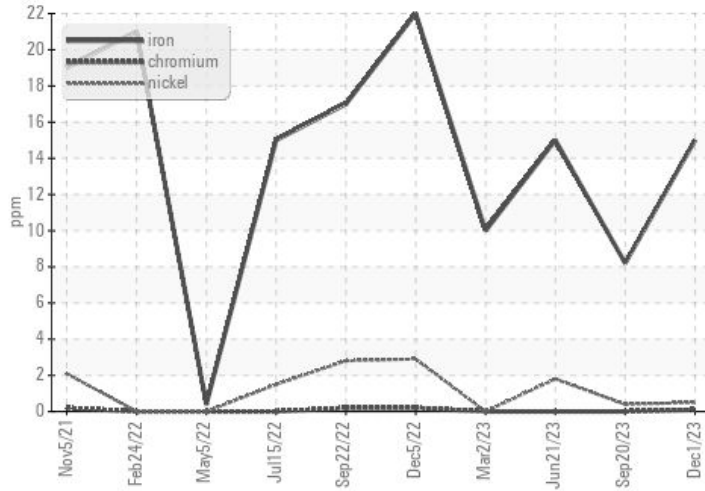


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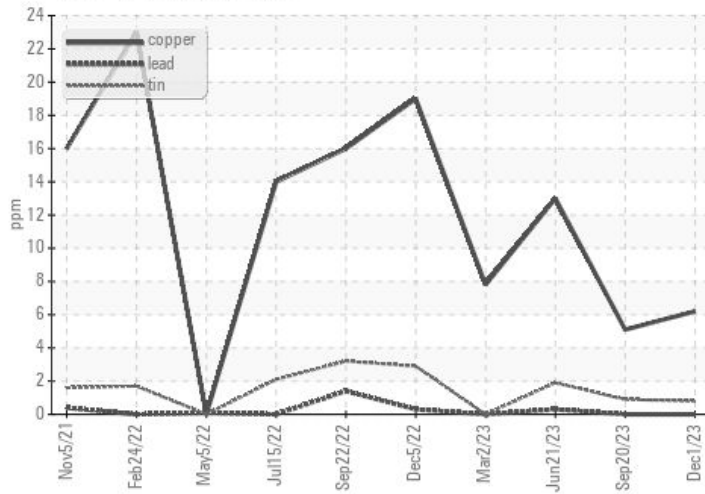


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

