



CONSTRUCTION EQUIPMENT

SWO-066738 VOLVO A45G 352799 - FRONT AXLE



Sample No: VCP431985
Oil Type: NOT GIVEN
Job No: SWO-066738



SAMPLE INFORMATION

Sample Number	VCP431985	VCP418148	VCP405919	VCP369033
Sample Date	25 Oct 2023	12 Jul 2023	29 Mar 2023	16 Nov 2022
Machine Hours	4451	3946	3445	2976
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	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	293	153	151	153
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Silicon	ppm	6	7	9	7
Sodium	ppm	0	8	8	8
Potassium	ppm	3	6	6	3



WEAR METALS

Iron	ppm	87	492	542	440
Copper	ppm	<1	<1	1	1
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	1	2	3	2
Chromium	ppm	<1	8	8	7
Molybdenum	ppm	18	8	8	7
Nickel	ppm	<1	1	1	1
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	15	15	13
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	235	3092	3079	2721
Magnesium	ppm	35	34	33	29
Zinc	ppm	129	1372	1379	1148
Phosphorus	ppm	1097	1223	1181	1022
Barium	ppm	0	6	0	3
Boron	ppm	167	69	63	59

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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: 10715028
Signed: Sean Felton
Report Date: 31 Oct 2023

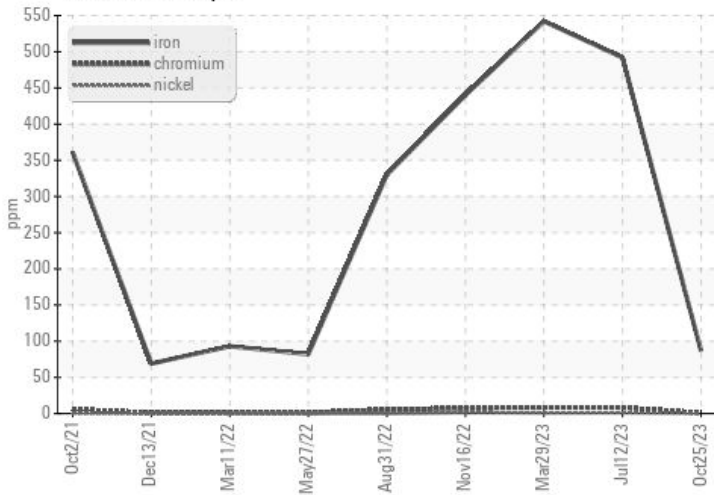


CONSTRUCTION EQUIPMENT

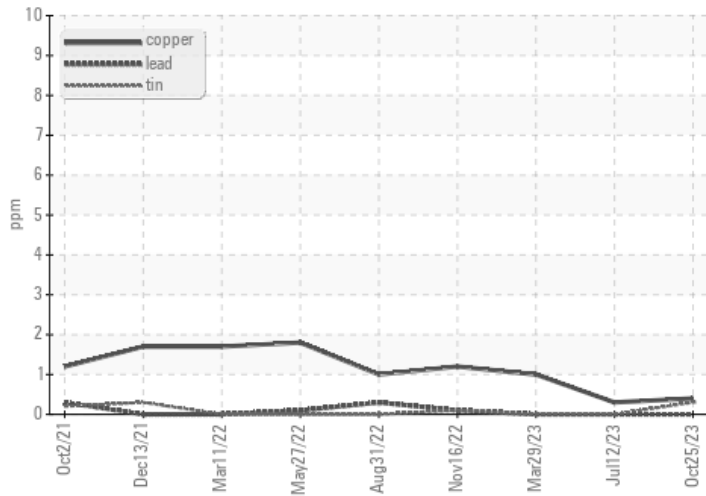


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

