



CONSTRUCTION EQUIPMENT

SWIO-066739 VOLVO A45G 352698 - DROP BOX



Sample No: VCP427473
Oil Type: GEAR OIL SAE 80W140
Job No: SWIO-066739



SAMPLE INFORMATION

Sample Number	VCP427473	VCP406871	VCP410138	VCP367723
Sample Date	23 Oct 2023	07 Aug 2023	16 May 2023	17 Jan 2023
Machine Hours	5103	4553	4038	3513
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	296	295	216	194
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Silicon	ppm	5	8	13	12
Sodium	ppm	14	0	<1	2
Potassium	ppm	2	1	2	0



WEAR METALS

Iron	ppm	18	21	72	90
Copper	ppm	<1	1	4	4
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	3	<1	0	0
Chromium	ppm	<1	<1	1	2
Molybdenum	ppm	3	4	9	11
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	6	0	0	0
Manganese	ppm	<1	<1	1	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	43	77	110	113
Magnesium	ppm	14	16	21	21
Zinc	ppm	35	60	96	76
Phosphorus	ppm	768	1061	1176	1132
Barium	ppm	0	2	0	0
Boron	ppm	88	198	145	162

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: 10715037
Signed: Sean Felton
Report Date: 31 Oct 2023

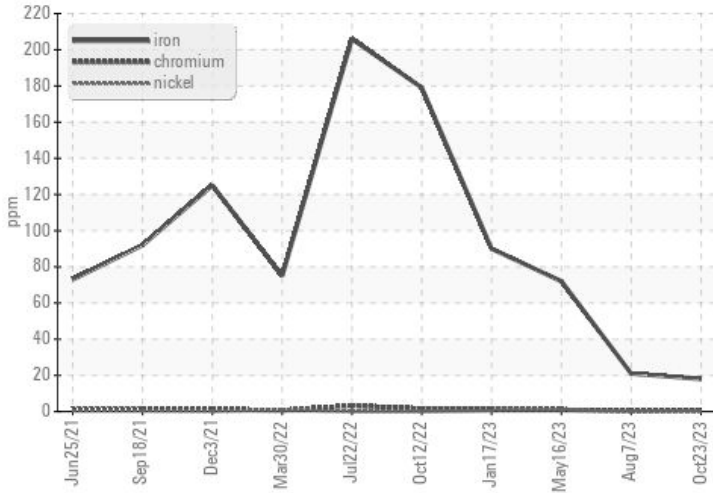


CONSTRUCTION EQUIPMENT

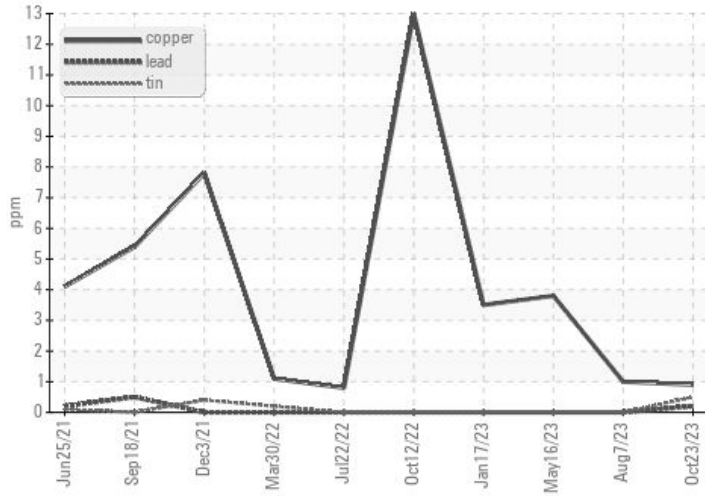


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

