



CONSTRUCTION EQUIPMENT

620823 ACME BARRICAD TAKEUCHI TL12V2 412005948 - HYDRAULIC SYSTEM



Sample No: VCP432149
Oil Type: TAKEUCHI 15W40
Job No: 620823 ACME BARRICAD



SAMPLE INFORMATION

Sample Number	VCP432149	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	384	---	---	---
Oil Hours	384	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
8418 PALM RIVER ROAD
TAMPA, FL
US 33619
Contact: JOHN FARDELLA
john.fardella@altg.com
T: (813)630-0077
F: (813)630-2233

OIL CONDITION

Visc @ 40°C	cSt	■ 58.5	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.07	---	---	---

CONTAMINATION

Water	%	▲ 0.444	---	---	---
Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 20	---	---	---

WEAR METALS

Iron	ppm	■ 12	---	---	---
Copper	ppm	■ 26	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 60	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 1461	---	---	---
Magnesium	ppm	■ 389	---	---	---
Zinc	ppm	■ 948	---	---	---
Phosphorus	ppm	■ 753	---	---	---
Barium	ppm	■ 10	---	---	---
Boron	ppm	■ 21	---	---	---

Diagnosis

We advise that you check for the source of water entry. The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. There is a moderate concentration of water present in the oil. The AN level is acceptable for this fluid.

Depot: VOLVO0093
Unique No: 10753095
Signed: Don Baldrige
Report Date: 23 Nov 2023

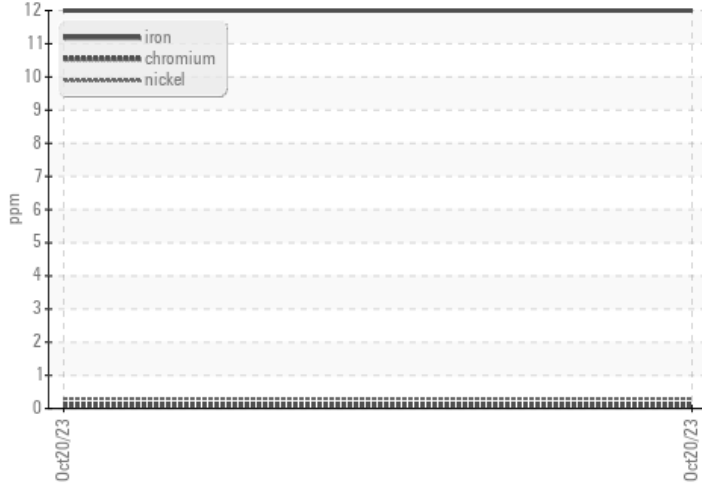


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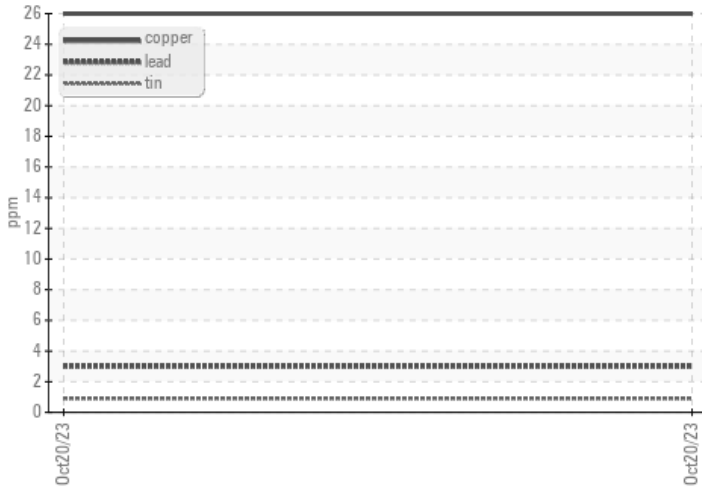


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

