



CONSTRUCTION EQUIPMENT

11550 VOLVO L220H 2373 - HYDRAULIC SYSTEM



Sample No: VCE74378
Oil Type: NOT GIVEN
Job No: 11550



SAMPLE INFORMATION

Sample Number	VCE74378	---	---	---
Sample Date	01 Dec 2023	---	---	---
Machine Hours	4638	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

TRANSOURCE TRUCK & EQUIPMENT

901 EAST 60TH STREET NORTH
 SIOUX FALLS, SD
 US 57104

Contact: NATHAN MATZEN
 nathan.matzen@transourceusa.com
 T: (605)336-2000
 F: (605)336-2248



OIL CONDITION

Visc @ 40°C	cSt	38.8	---	---	---
Acid Number (AN)	mg KOH/g	0.31	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 62120	---	---	---
Particles >6µm		▲ 14315	---	---	---
Particles >14µm		▲ 739	---	---	---
ISO 4406:1999 (c)		23/21/17	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

Diagnosis

We recommend you service the filters on this component. 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 a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	■ 12	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	77	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	436	---	---	---
Phosphorus	ppm	394	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: VOLVO0035
Unique No: 10769014
Signed: Jonathan Hester
Report Date: 06 Dec 2023

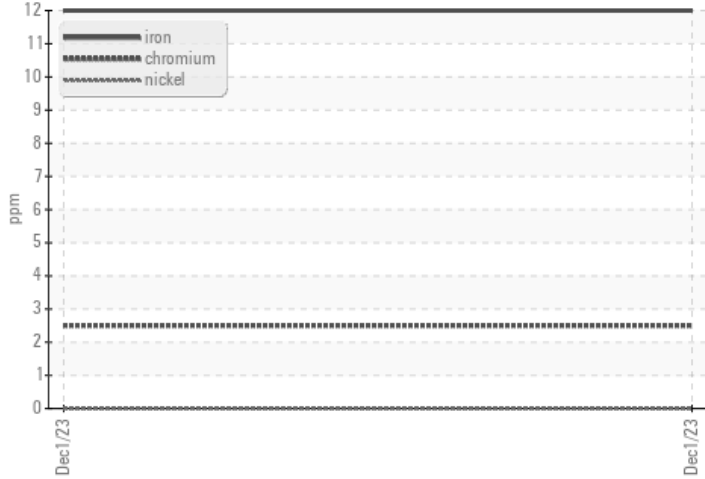


CONSTRUCTION EQUIPMENT

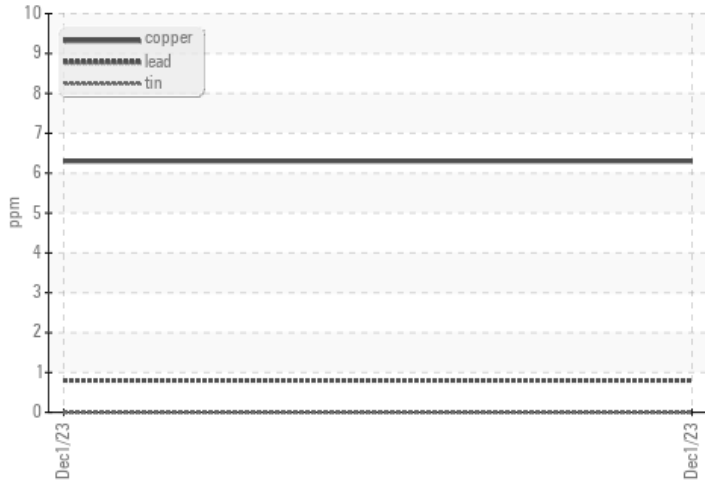


GRAPHS

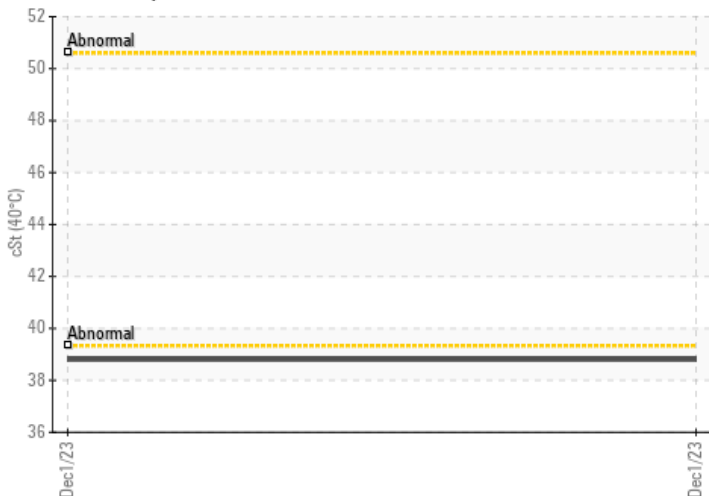
Ferrous Alloys



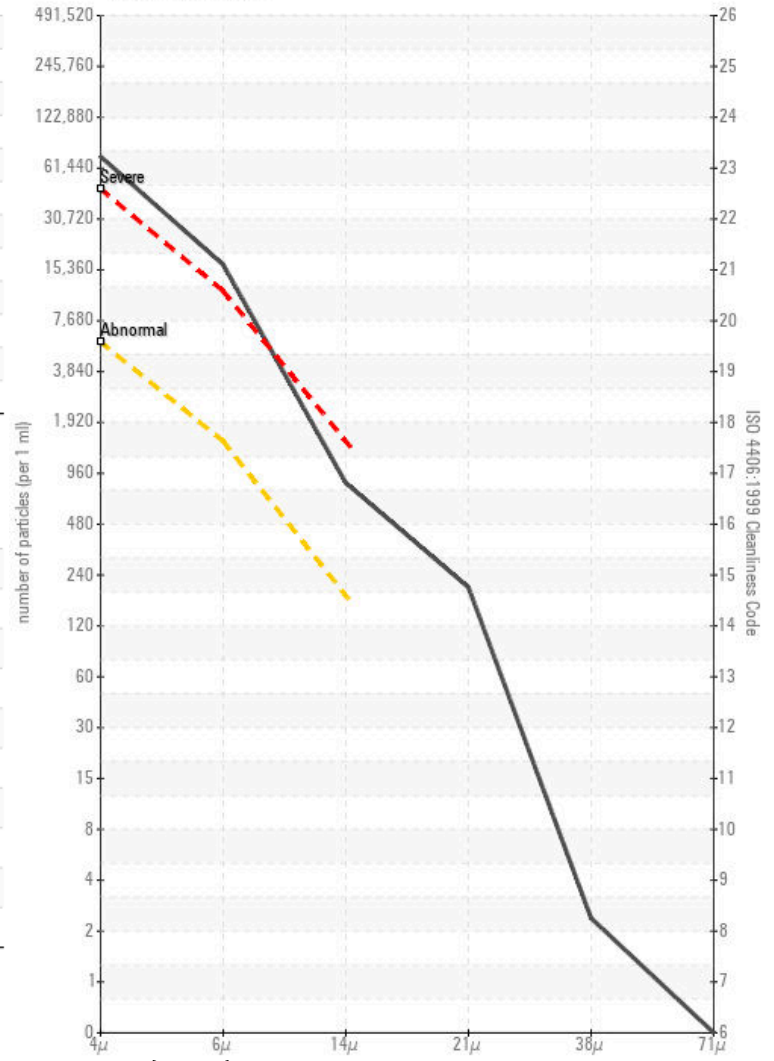
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

