



CONSTRUCTION EQUIPMENT

2632-2 ESTES VOLVO A30C 2380 - HYDRAULIC SYSTEM



Sample No: VCP441110
Oil Type: SAE 10W
Job No: 2632-2 ESTES



SAMPLE INFORMATION

Sample Number	VCP441110	---	---	---
Sample Date	01 Nov 2023	---	---	---
Machine Hours	15371	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

MCLLUNG-LOGAN EQUIPMENT CO - WISE
PO BOX 1158
WISE, VA
US 24293
Contact: DANNY BARRINGTON
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T:
F:



OIL CONDITION

Visc @ 40°C	cSt	█ 43.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.87	---	---	---



CONTAMINATION

Water	%	◆ 0.528	---	---	---
Particles >4µm		█ 1218	---	---	---
Particles >6µm		█ 663	---	---	---
Particles >14µm		█ 113	---	---	---
ISO 4406:1999 (c)		17/17/14	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

We advise that you check for the source of water entry. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. Appearance is milky. There is a moderate concentration of water present in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	█ <1	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 317	---	---	---
Magnesium	ppm	█ 255	---	---	---
Zinc	ppm	█ 636	---	---	---
Phosphorus	ppm	█ 567	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 11	---	---	---

Depot: VOLVO8881
Unique No: 10727344
Signed: Jonathan Hester
Report Date: 14 Nov 2023

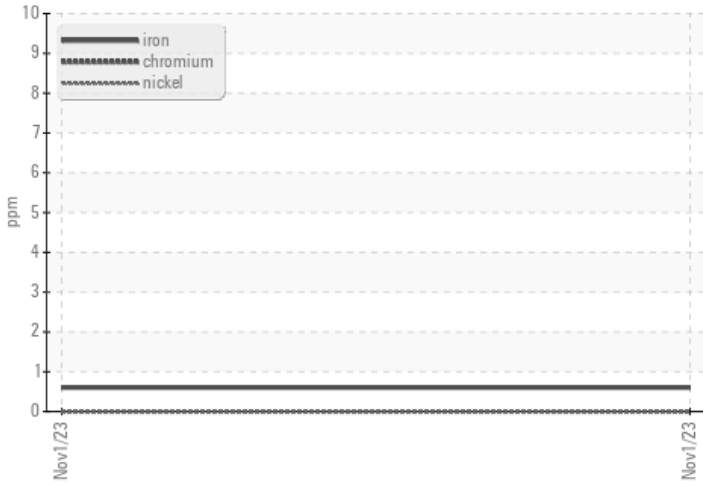


CONSTRUCTION EQUIPMENT

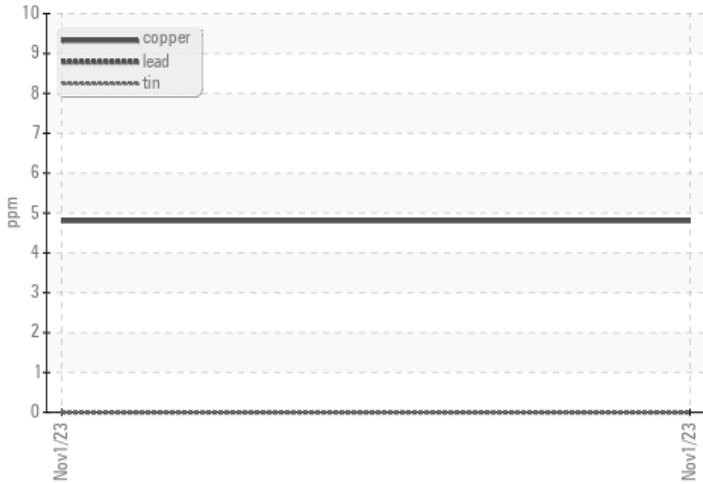


VOLVO GRAPHS

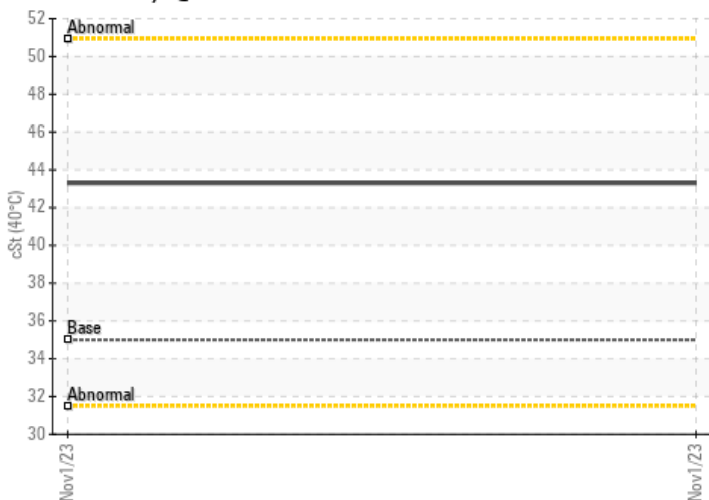
Ferrous Alloys



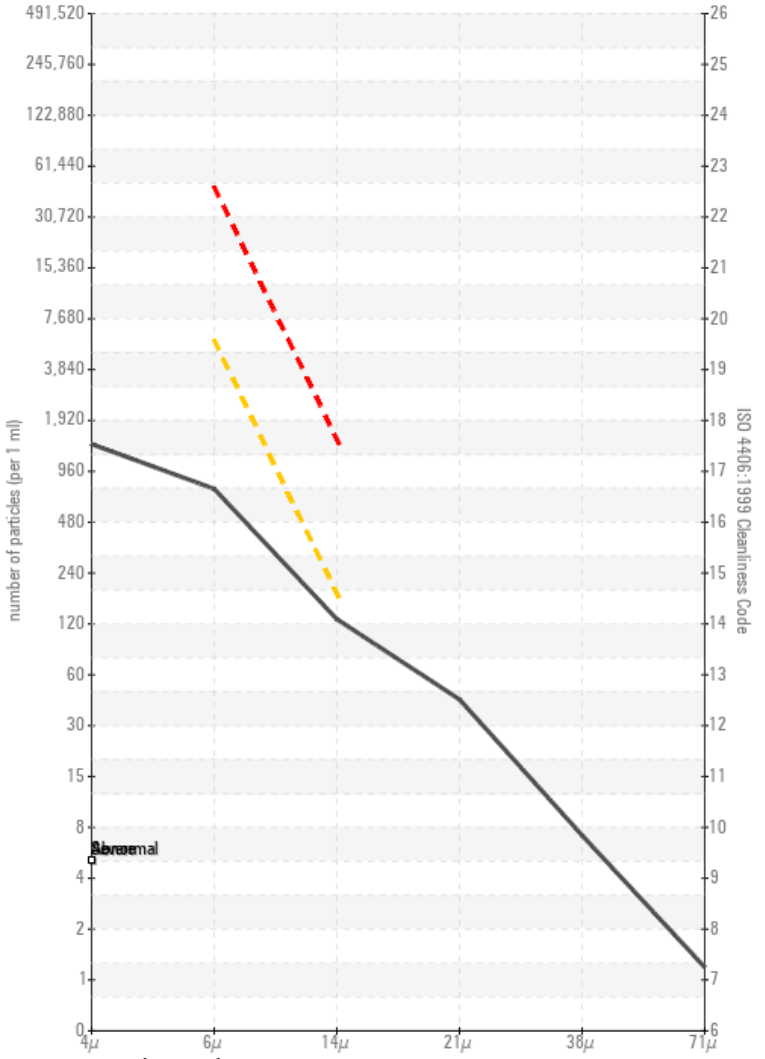
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

