



CONSTRUCTION EQUIPMENT

X20319 VOLVO L70H 623160 - HYDRAULIC SYSTEM



Sample No: VCP395174
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: X20319



SAMPLE INFORMATION

Sample Number	VCP395174	---	---	---
Sample Date	13 Jan 2023	---	---	---
Machine Hours	8975	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

HOUSBY HEAVY EQUIPMENT

PO BOX 1846
 CEDAR RAPIDS, IA
 US 52406
 Contact: JUSTIN JOHNSON
 jjohnson@housby.com
 T:
 F: (319)365-2525



OIL CONDITION

Visc @ 40°C	cSt	■ 44.5	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.36	---	---	---



CONTAMINATION

Particles >4µm		▲ 15509	---	---	---
Particles >6µm		▲ 1708	---	---	---
Particles >14µm		■ 47	---	---	---
ISO 4406:1999 (c)		21/18/13	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 2	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	■ 53	---	---	---
Magnesium	ppm	■ 1	---	---	---
Zinc	ppm	■ 423	---	---	---
Phosphorus	ppm	■ 361	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO0074
Unique No: 10297020
Signed: Don Baldrige
Report Date: 19 Jan 2023

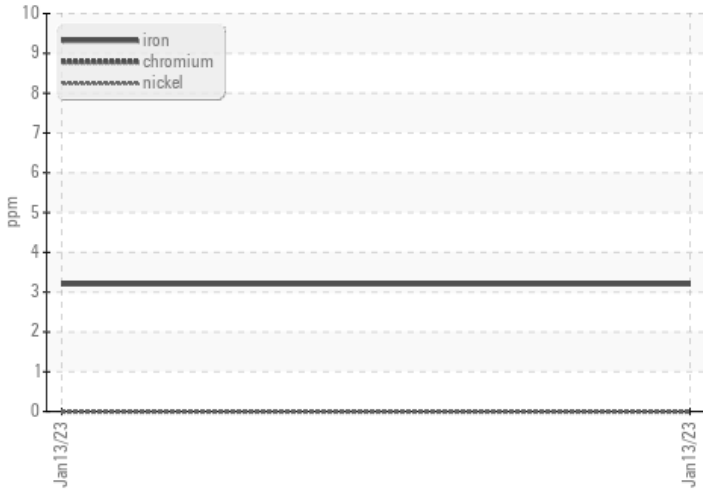


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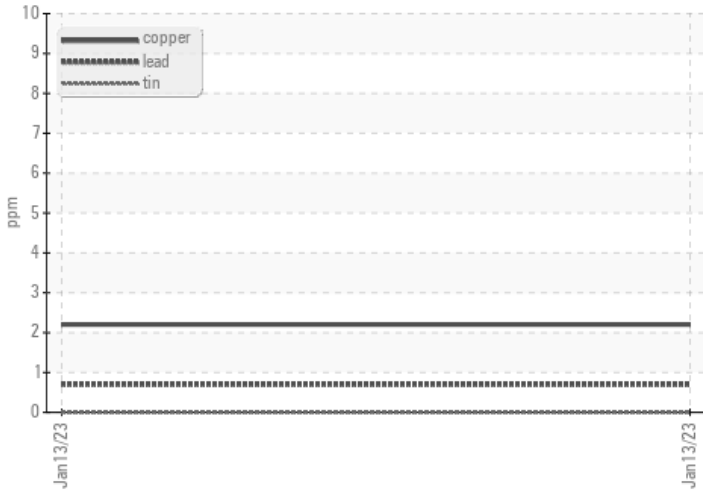


GRAPHS

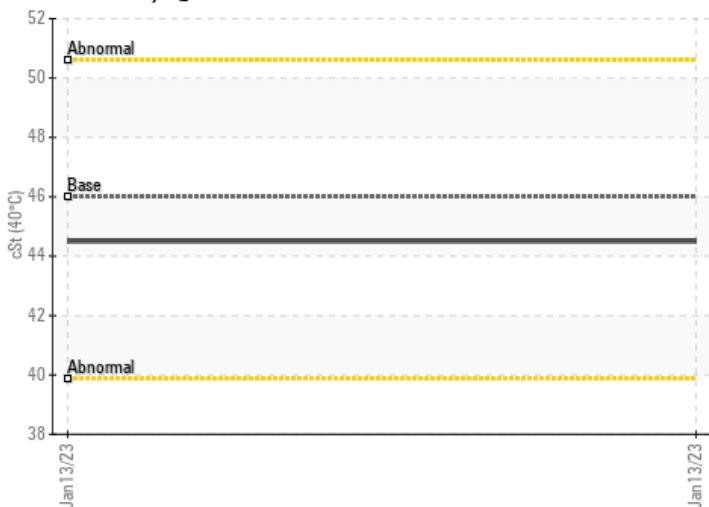
Ferrous Alloys



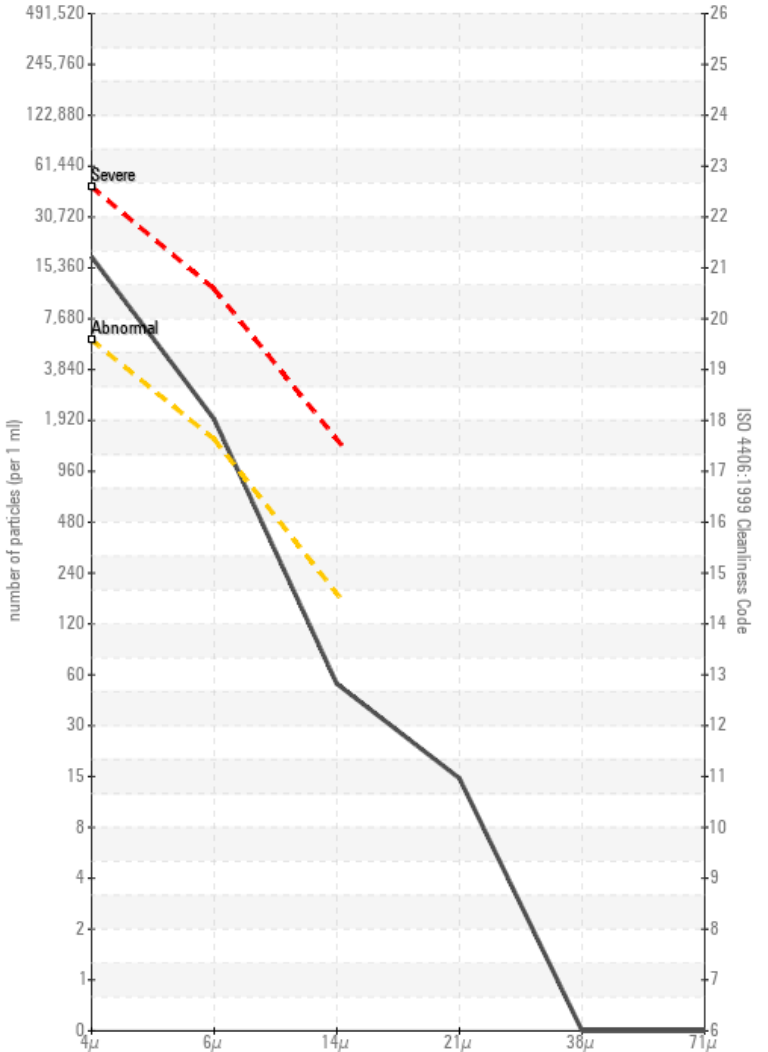
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

