



CONSTRUCTION EQUIPMENT

A11830 OLD CASTLE VOLVO L150H 7123 - HYDRAULIC SYSTEM



Sample No: VCP428667
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A11830 OLD CASTLE



SAMPLE INFORMATION

Sample Number	VCP428667	VCP405150	---	---
Sample Date	11 Jan 2024	10 May 2023	---	---
Machine Hours	1970	1020	---	---
Oil Hours	1970	1020	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

HOFFMAN EQUIPMENT - LIONVILLE

120 GORDON DRIVE
LIONVILLE, PA
US 19341
Contact: JIM FEHR
jim.fehr@hoffmanequip.com
T: (610)363-9200
F: (610)594-0829



OIL CONDITION

Visc @ 40°C	cSt	44.4	42.9	---	---
Acid Number (AN)	mg KOH/g	0.22	0.35	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 11034	▲ 7974	---	---
Particles >6µm		■ 696	▲ 1488	---	---
Particles >14µm		■ 36	■ 67	---	---
ISO 4406:1999 (c)		21/17/12	20/18/13	---	---
Silicon	ppm	■ 1	■ 3	---	---
Sodium	ppm	■ 0	■ 0	---	---
Potassium	ppm	■ <1	■ 0	---	---

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. 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 suitable for further service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	■ 75	■ 54	---	---
Magnesium	ppm	■ 1	■ 2	---	---
Zinc	ppm	■ 425	■ 432	---	---
Phosphorus	ppm	■ 368	■ 332	---	---
Barium	ppm	■ 1	■ 0	---	---
Boron	ppm	■ 0	■ 0	---	---

Depot: VOLVO8879
Unique No: 10836382
Signed: Don Baldrige
Report Date: 22 Jan 2024

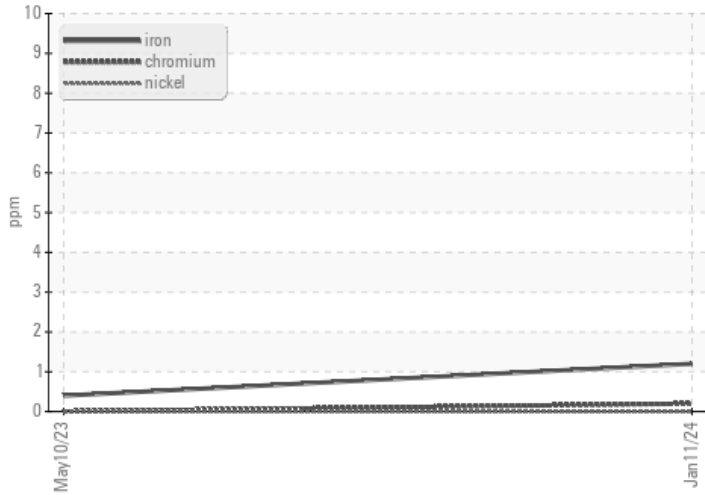


CONSTRUCTION EQUIPMENT

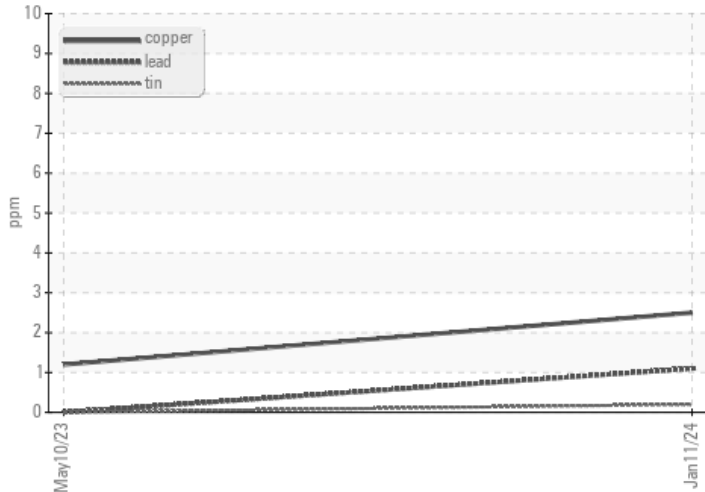


GRAPHS

Ferrous Alloys



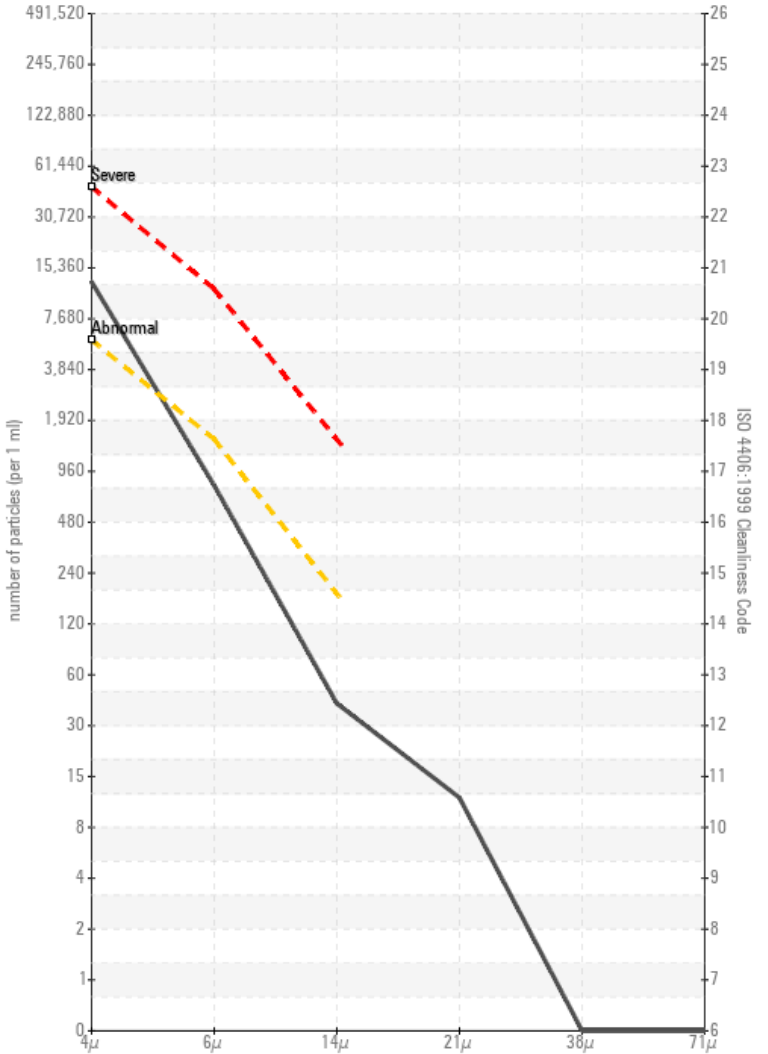
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

