



CONSTRUCTION EQUIPMENT

386346 VOLVO L110H 632619 - HYDRAULIC SYSTEM



Sample No: VCP392498
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 386346



SAMPLE INFORMATION

Sample Number	VCP392498	---	---	---
Sample Date	30 Nov 2023	---	---	---
Machine Hours	1058	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT (CE)

1051 Heritage Rd.
 Burlington, ON
 CA L7L 4Y1
 Contact: LLoyd Williams
 lwilliams@strongco.com
 T:
 F: (905)643-6077

OIL CONDITION

Visc @ 40°C	cSt	█ 43.9	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 6033	---	---	---
Particles >6µm		█ 2047	---	---	---
Particles >14µm		▲ 221	---	---	---
ISO 4406:1999 (c)		20/18/15	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

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. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

WEAR METALS

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

ADDITIVES

Calcium	ppm	█ 67	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 427	---	---	---
Phosphorus	ppm	█ 324	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 1	---	---	---

Depot: VOLV00252
Unique No: 5694078
Signed: Wes Davis
Report Date: 06 Dec 2023

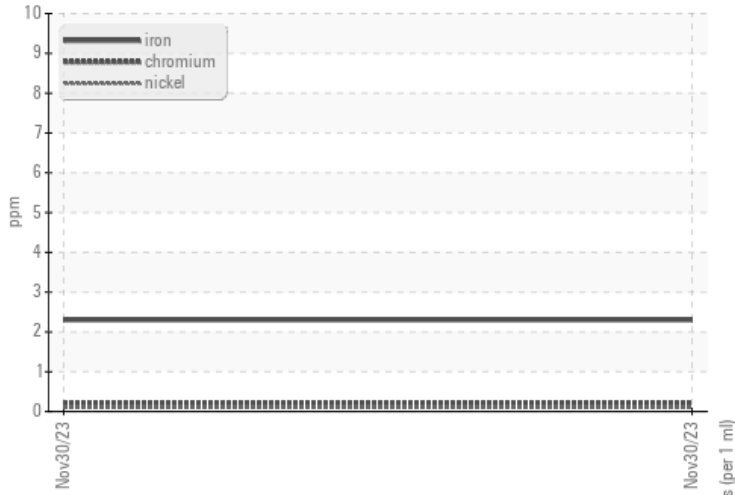


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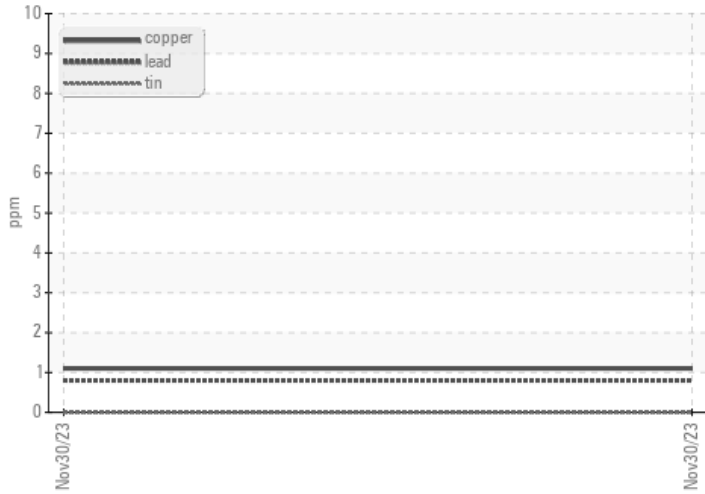


VOLVO GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

