



CONSTRUCTION EQUIPMENT

VOLVO L120H 632540 - HYDRAULIC SYSTEM



Sample No: VCP433504
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP433504	VCP426723	---	---
Sample Date	09 Nov 2023	31 Jul 2023	---	---
Machine Hours	13618	12544	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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OIL CONDITION

Visc @ 40°C	cSt	▲ 59.8	■ 56.1	---	---
Acid Number (AN)	mg KOH/g	■ 0.43	■ 0.51	---	---



CONTAMINATION

Particles >4µm		▲ 38777	---	---	---
Particles >6µm		▲ 15779	---	---	---
Particles >14µm		▲ 3101	---	---	---
ISO 4406:1999 (c)		22/21/19	---	---	---
Silicon	ppm	■ 5	■ 2	---	---
Sodium	ppm	■ <1	■ 1	---	---
Potassium	ppm	■ 2	■ <1	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 particulates present in the oil. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	■ 5	■ 5	---	---
Copper	ppm	■ 1	■ 1	---	---
Lead	ppm	■ <1	■ 0	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ 1	■ <1	---	---
Chromium	ppm	■ 1	■ 1	---	---
Molybdenum	ppm	■ 3	■ 2	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 0	■ <1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	■ 278	■ 288	---	---
Magnesium	ppm	■ 16	■ 8	---	---
Zinc	ppm	■ 459	■ 498	---	---
Phosphorus	ppm	■ 407	■ 438	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 5	■ <1	---	---

Depot: VOLVO0090
Unique No: 10740713
Signed: Don Baldrige
Report Date: 16 Nov 2023

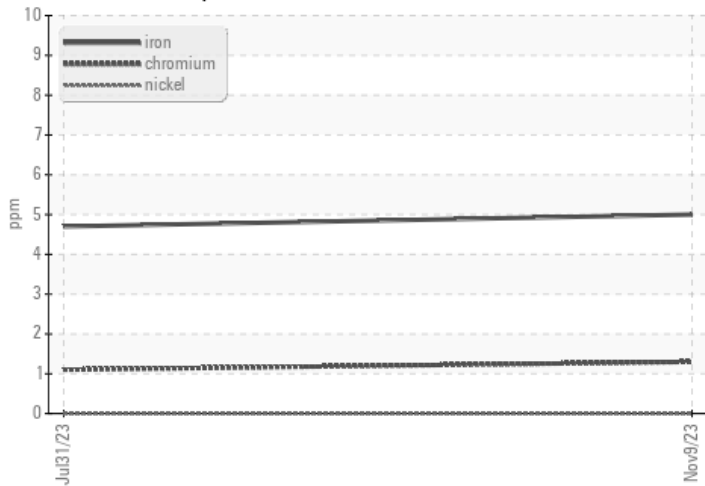


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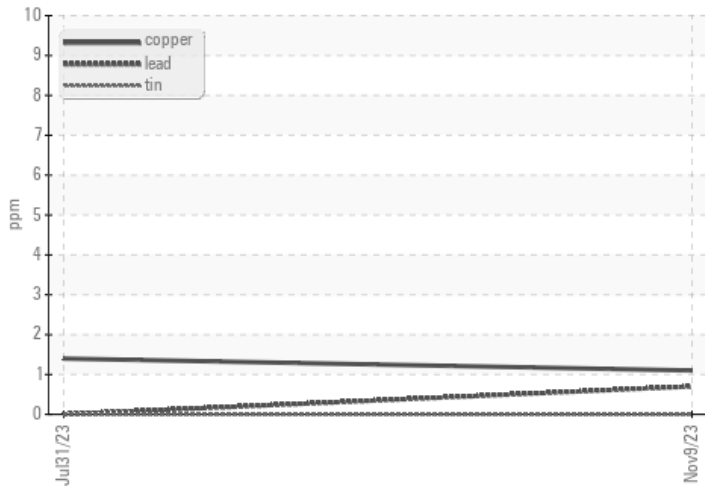


GRAPHS

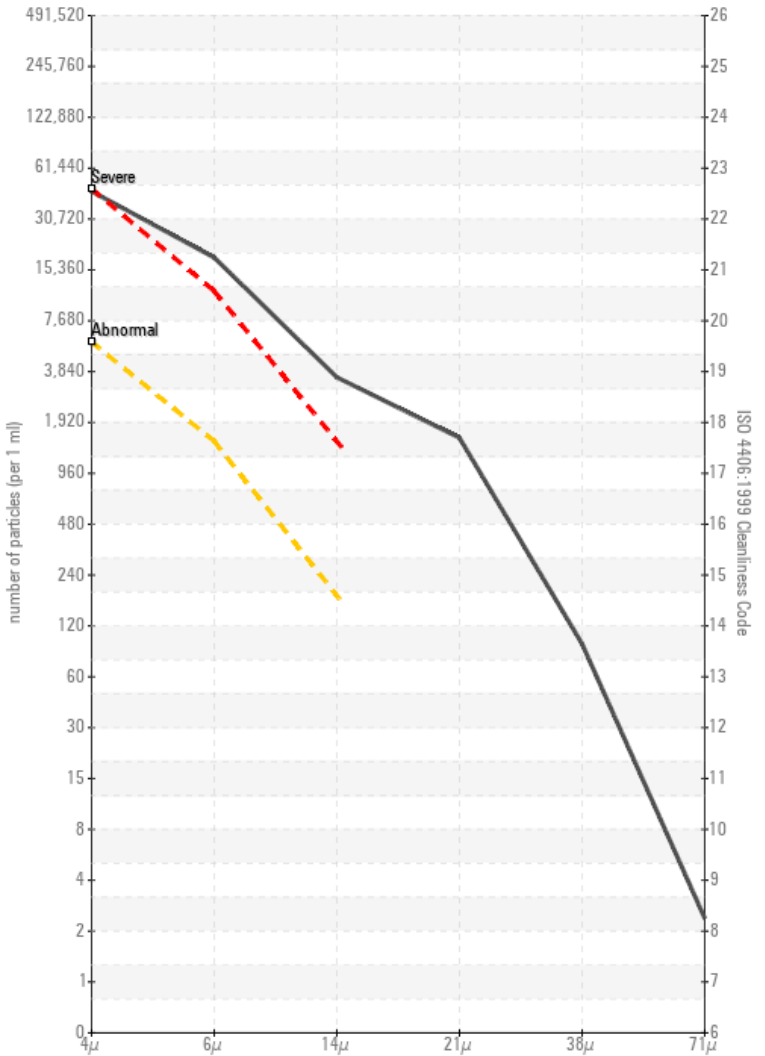
Ferrous Alloys



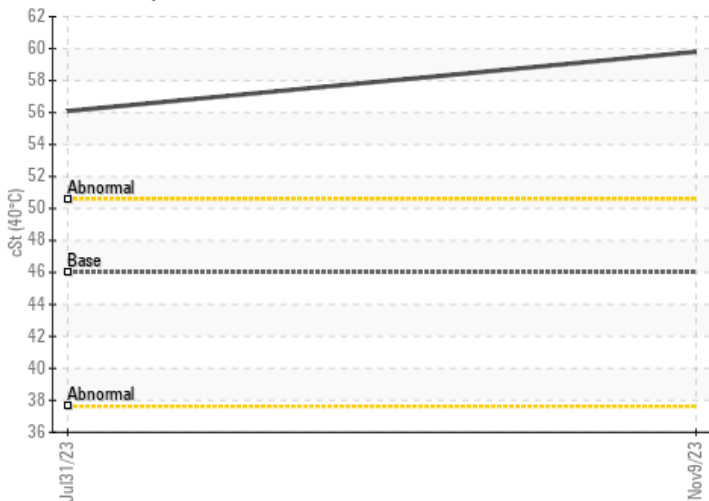
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number

