



CONSTRUCTION EQUIPMENT

VOLVO L60H 621345 - HYDRAULIC SYSTEM



Sample No: VCP449927
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP449927	---	---	---
Sample Date	22 May 2024	---	---	---
Machine Hours	9290	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

SOUTH FLORIDA EXCAVATION

1455 RAIL HEAD BLVD STE 3
 NAPLES, FL
 US 34110-8407
 Contact: ROB ANDERSON
 CHOEH@EMBARQMAIL.COM;XJ_GERRARD@YAHOO.COM;ROBDIGSDIRT@AOL.COM
 T: (239)596-8111
 F: (239)596-8112



OIL CONDITION

Visc @ 40°C	cSt	█ 46.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.41	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 8593	---	---	---
Particles >6µm		█ 2272	---	---	---
Particles >14µm		● 146	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 48	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 427	---	---	---
Phosphorus	ppm	█ 341	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: SOUNAPFL
Unique No: 11056029
Signed: Wes Davis
Report Date: 30 May 2024

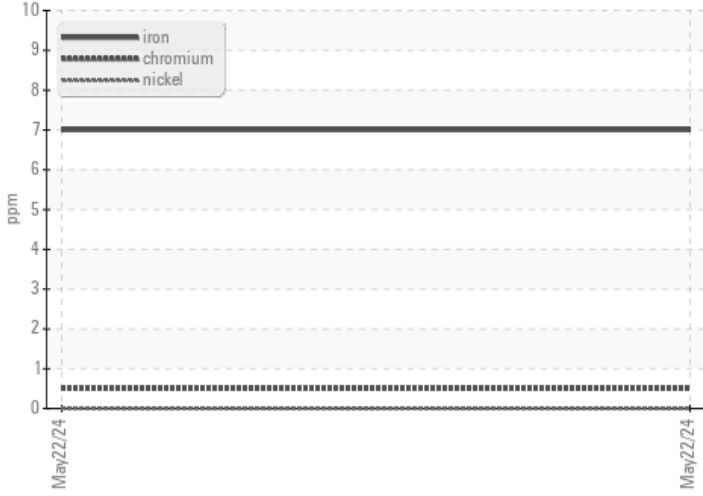


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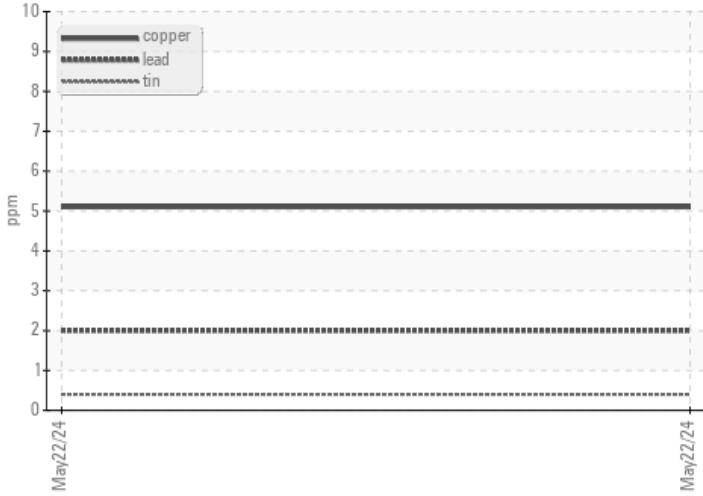


GRAPHS

Ferrous Alloys



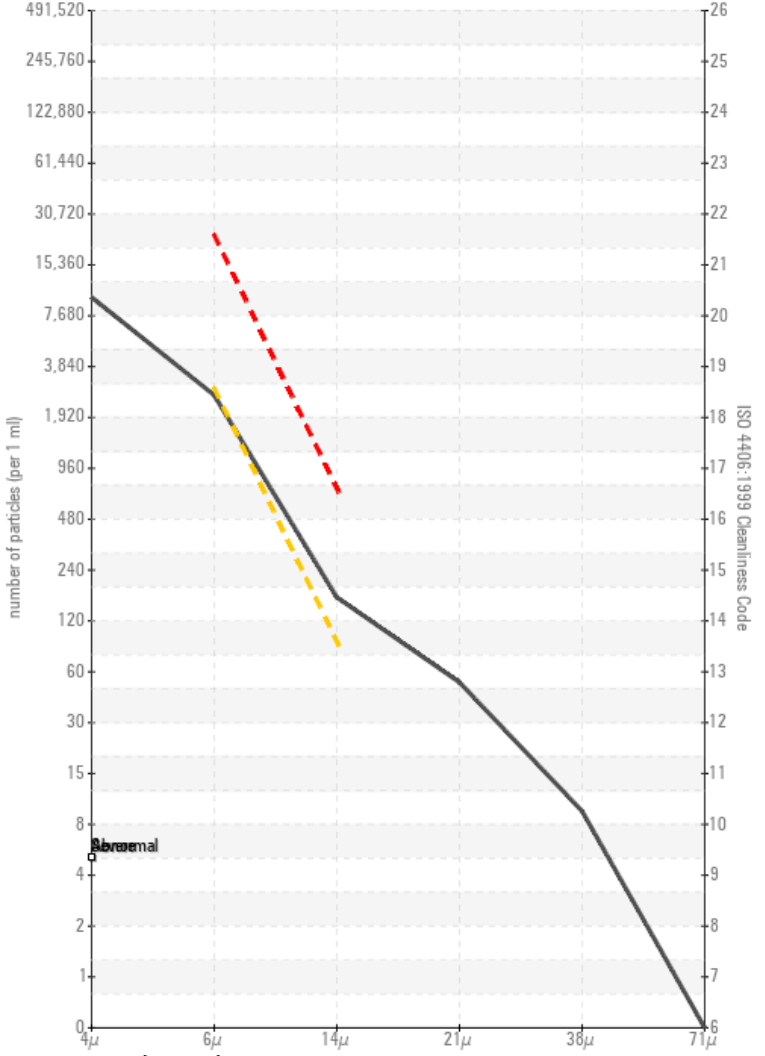
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

