



CONSTRUCTION EQUIPMENT

VOLVO L110H 632644 - HYDRAULIC SYSTEM



Sample No: VCP451148
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP451148	VCP440035	VCP414214	---
Sample Date	29 Apr 2024	15 Jan 2024	28 Sep 2023	---
Machine Hours	3827	2464	906	---
Oil Hours	0	2464	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

COVANTA
 350 FLAKENBURG ROAD
 TAMPA, FL
 US 33619
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 40°C	cSt	42.2	43.9	43.5	---
Acid Number (AN)	mg KOH/g	0.39	0.27	0.31	---

T: (813)684-5688
 F:

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		2675	697	2465	---
Particles >6µm		621	114	757	---
Particles >14µm		58	20	99	---
ISO 4406:1999 (c)		19/16/13	17/14/11	18/17/14	---
Silicon	ppm	3	<1	2	---
Sodium	ppm	0	2	<1	---
Potassium	ppm	<1	2	<1	---

Diagnosis
 Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

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

ADDITIVES

Calcium	ppm	124	68	71	---
Magnesium	ppm	20	3	3	---
Zinc	ppm	629	416	448	---
Phosphorus	ppm	460	331	333	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	0	<1	---

Depot: COVTAM
Unique No: 11057471
Signed: Wes Davis
Report Date: 31 May 2024

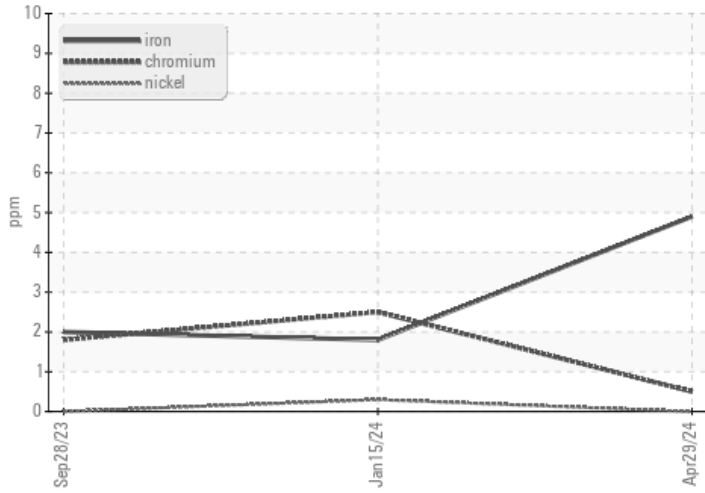


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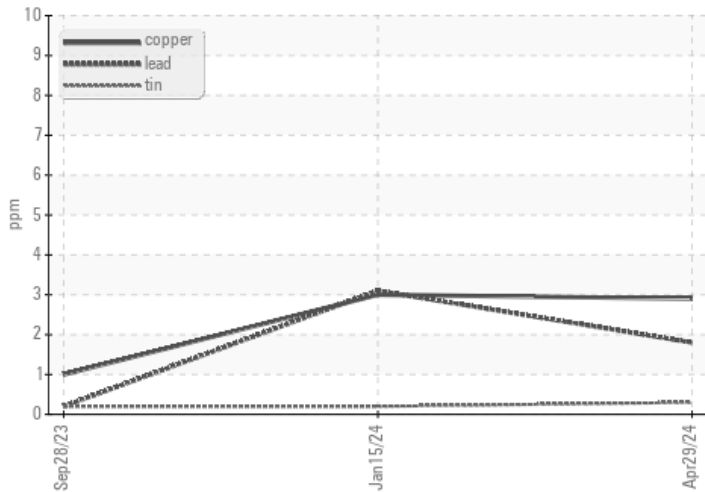


GRAPHS

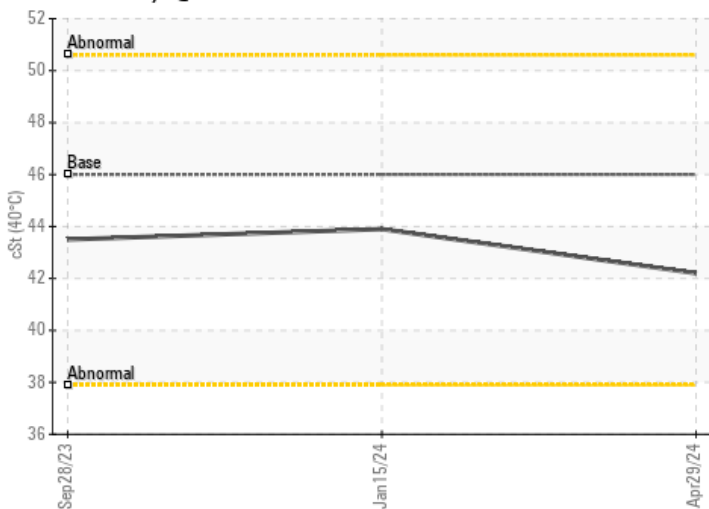
Ferrous Alloys



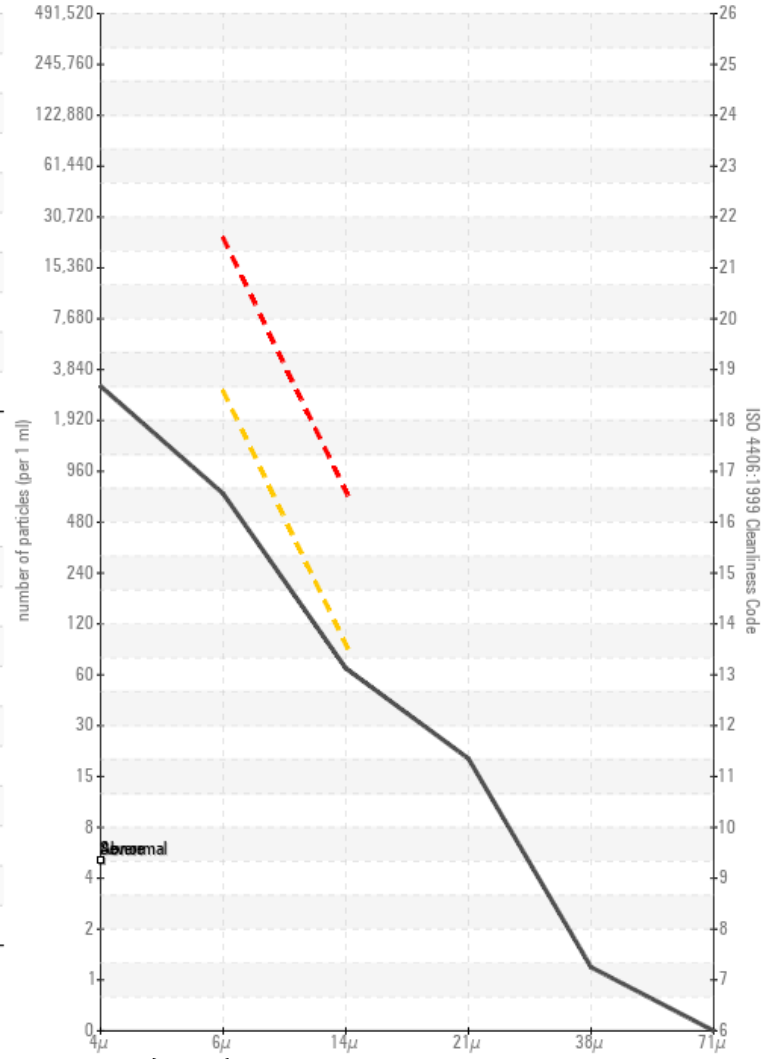
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

