



CONSTRUCTION EQUIPMENT

353464 VOLVO L110H 632536 - HYDRAULIC SYSTEM



Sample No: VCP434696
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 353464



SAMPLE INFORMATION

Sample Number	VCP434696	VCP427047	---	---
Sample Date	02 Sep 2023	22 Jun 2023	---	---
Machine Hours	1051	539	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

COVANTA LAKES
 3830 ROGERS INDUSTRIAL PARK ROAD
 OKAHUMPKA, FL
 US 32762
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 40°C	cSt	43.1	44.0	---	---
Acid Number (AN)	mg KOH/g	0.35	0.43	---	---

T:
F:

CONTAMINATION

Particles >4µm		8011	3523	---	---
Particles >6µm		1251	484	---	---
Particles >14µm		66	21	---	---
ISO 4406:1999 (c)		20/17/13	19/16/12	---	---
Silicon	ppm	2	<1	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	0	0	---	---

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

ADDITIVES

Calcium	ppm	61	49	---	---
Magnesium	ppm	6	3	---	---
Zinc	ppm	419	410	---	---
Phosphorus	ppm	335	314	---	---
Barium	ppm	6	4	---	---
Boron	ppm	0	0	---	---

Depot: COVOKA
Unique No: 10635133
Signed: Wes Davis
Report Date: 08 Sep 2023

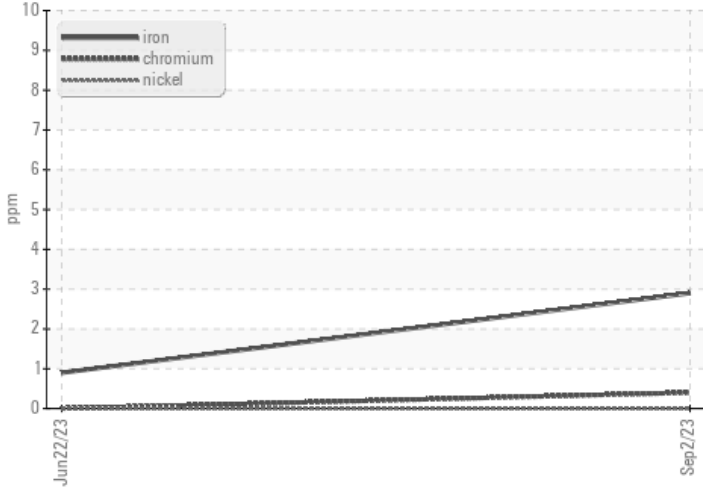


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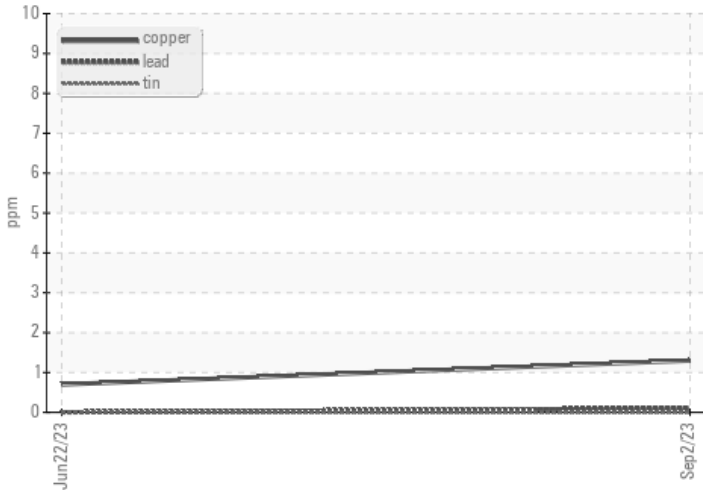


VOLVO GRAPHS

Ferrous Alloys



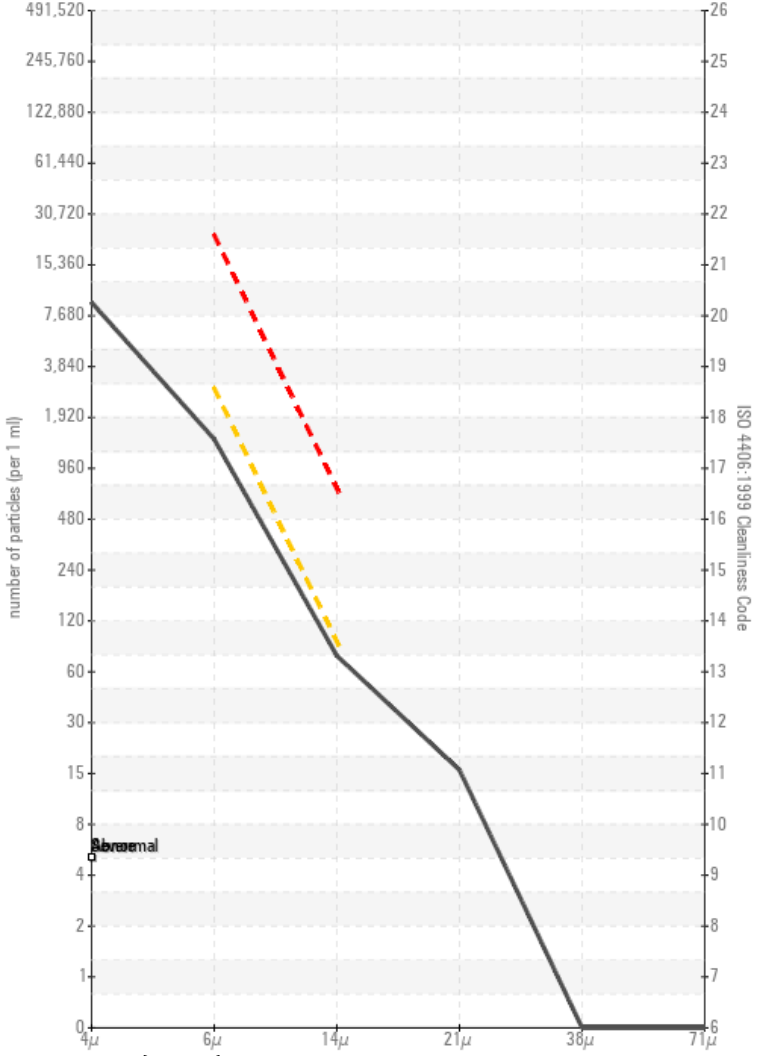
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

