



CONSTRUCTION EQUIPMENT

E14905 VOLVO L90H 626247 - HYDRAULIC SYSTEM



Sample No: VCP389038
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: E14905



SAMPLE INFORMATION

Sample Number	VCP389038	VCP375558	---	---
Sample Date	21 Jun 2023	16 Dec 2022	---	---
Machine Hours	4143	2283	---	---
Oil Hours	4143	2283	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

COLUMBIA FOREST
 395 MISSILE ST
 PRESQUE ISLE, ME
 US 04769
 Contact: GARY

OIL CONDITION

Visc @ 40°C	cSt	38.2	41.9	---	---
Acid Number (AN)	mg KOH/g	0.35	0.33	---	---

T: (207)764-9428
 F:

CONTAMINATION

Particles >4µm		1068	2788	---	---
Particles >6µm		120	159	---	---
Particles >14µm		11	11	---	---
ISO 4406:1999 (c)		17/14/11	19/14/11	---	---
Silicon	ppm	8	9	---	---
Sodium	ppm	4	3	---	---
Potassium	ppm	3	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	11	11	---	---
Copper	ppm	2	3	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	4	---	---
Chromium	ppm	2	<1	---	---
Molybdenum	ppm	2	1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	102	109	---	---
Magnesium	ppm	14	6	---	---
Zinc	ppm	451	501	---	---
Phosphorus	ppm	351	420	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	0	<1	---	---

Depot: COLPRE
Unique No: 10536038
Signed: Angela Borella
Report Date: 30 Jun 2023

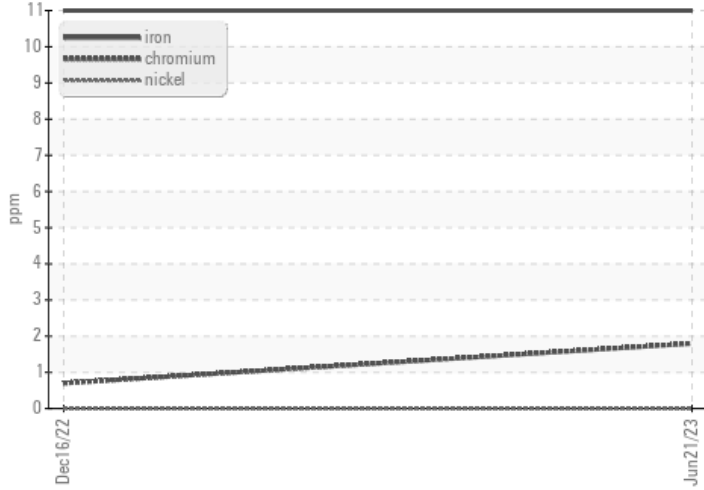


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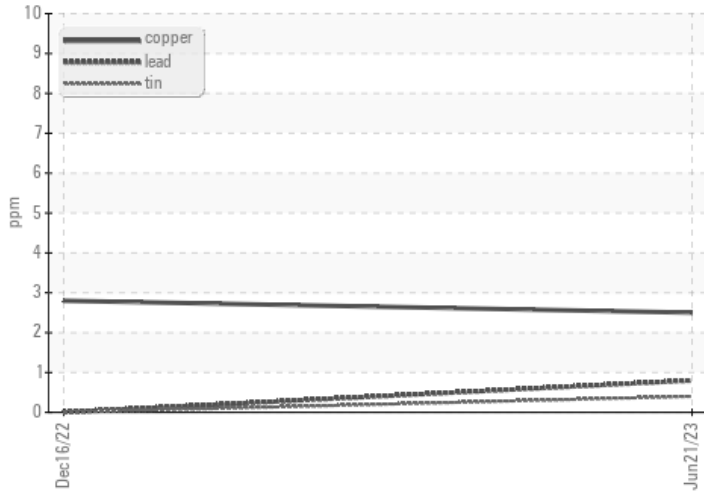


GRAPHS

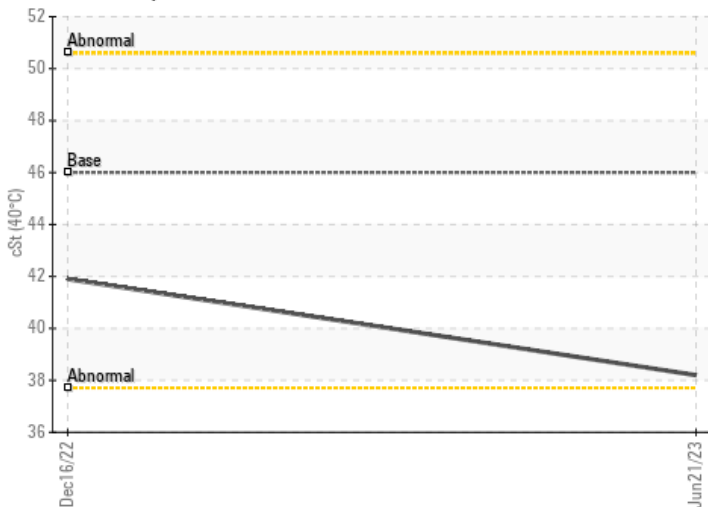
Ferrous Alloys



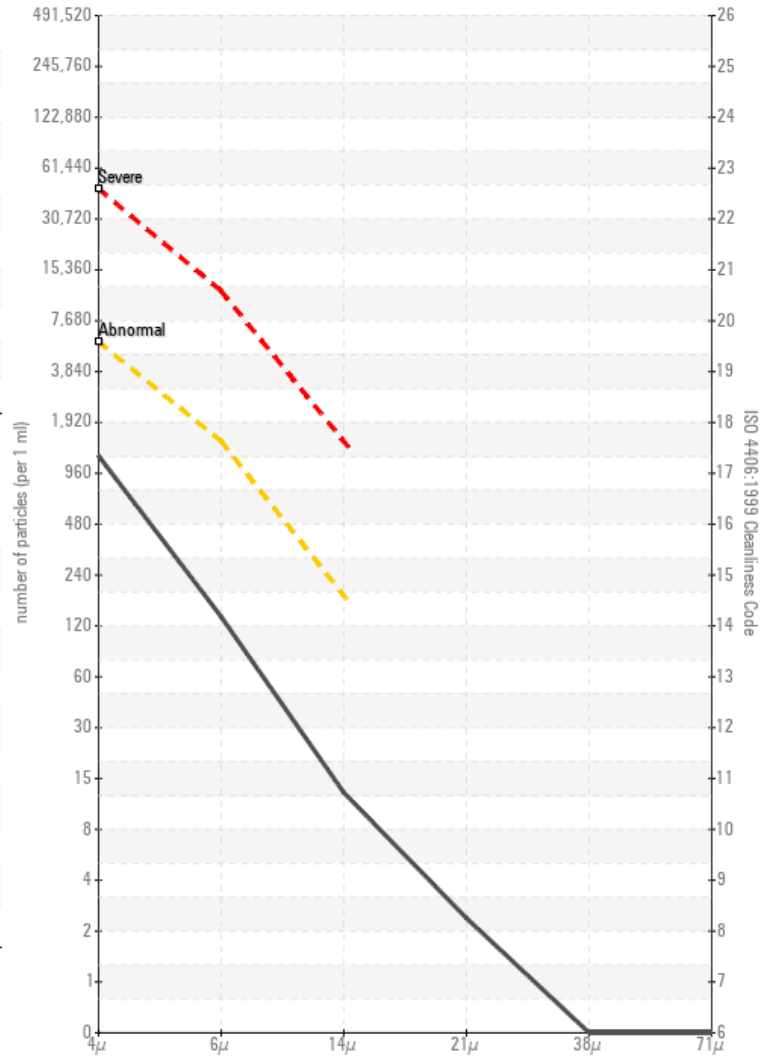
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

