



CONSTRUCTION EQUIPMENT

2360 IAA RANCHO VOLVO L90H 625739 - HYDRAULIC SYSTEM



Sample No: VCP454282
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 2360 IAA RANCHO



SAMPLE INFORMATION

Sample Number	VCP454282	VCP404697	VCP322478	---
Sample Date	03 Jun 2024	28 Apr 2023	02 Mar 2022	---
Machine Hours	6478	4500	2196	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	Not Changd	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

VCES- VOLVO CONSTRUCTION EQUIPMENT

8594 FRUITRIDGE ROAD
 SACRAMENTO, CA
 US 95826

Contact: RAY KRANZUSCH
 ray.kranzusch@vcesvolvo.com

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 F:



OIL CONDITION

Visc @ 40°C	cSt	43.2	42.6	42.9	---
Acid Number (AN)	mg KOH/g	0.21	0.23	0.26	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		878	12969	2159	---
Particles >6µm		228	4154	525	---
Particles >14µm		9	282	52	---
ISO 4406:1999 (c)		17/15/10	21/19/15	18/16/13	---
Silicon	ppm	3	4	3	---
Sodium	ppm	2	0	0	---
Potassium	ppm	0	<1	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	4	6	0	---
Copper	ppm	1	2	4	---
Lead	ppm	0	<1	1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	<1	<1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	67	72	71	---
Magnesium	ppm	<1	4	6	---
Zinc	ppm	406	447	454	---
Phosphorus	ppm	326	337	330	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO4485
Unique No: 11073887
Signed: Wes Davis
Report Date: 13 Jun 2024

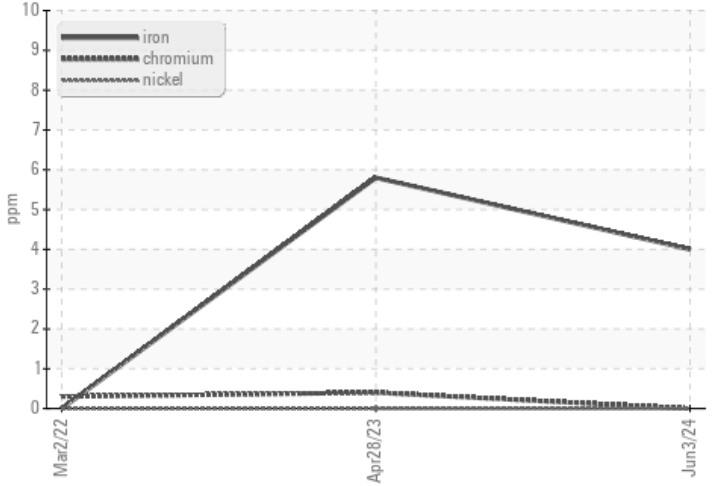


CONSTRUCTION EQUIPMENT

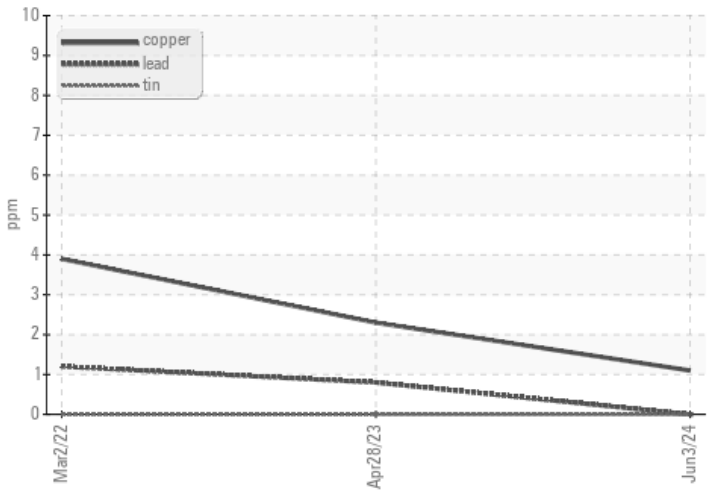


GRAPHS

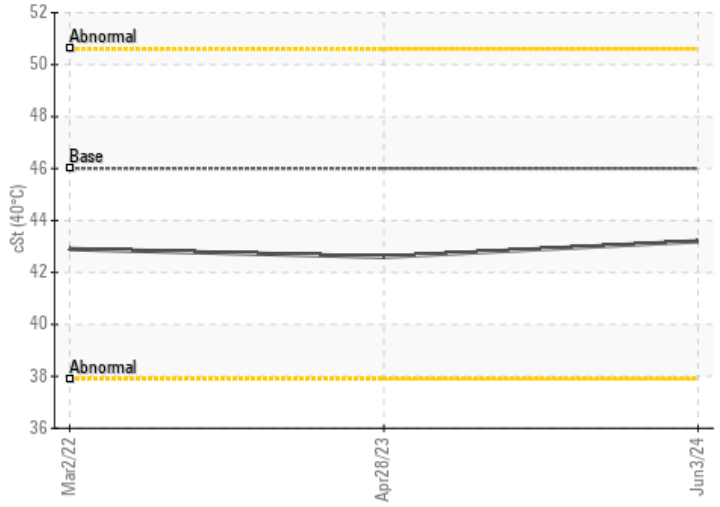
Ferrous Alloys



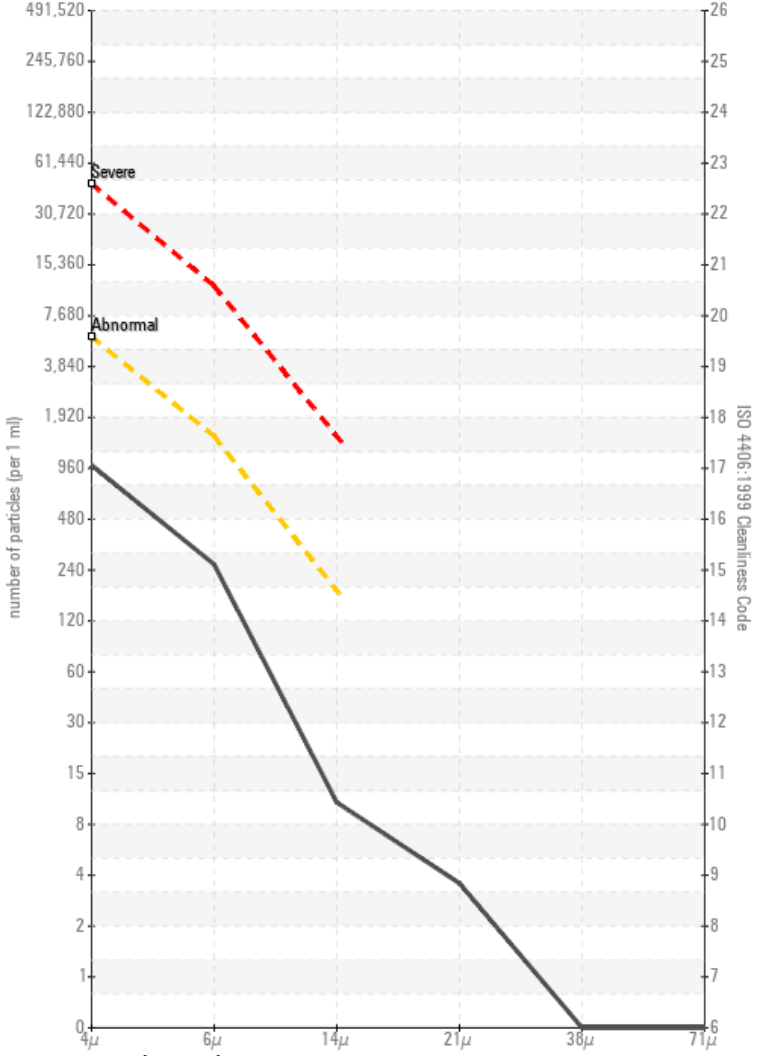
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

