



CONSTRUCTION EQUIPMENT

VOLVO A40G 352676 - HYDRAULIC SYSTEM



Sample No: VCP412013
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP412013	VCP355435	VCP316442	---
Sample Date	05 Sep 2023	08 Jun 2022	21 Jul 2021	---
Machine Hours	4379	2274	587	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

Visc @ 40°C	cSt	42.5	44.1	43.2	---
Acid Number (AN)	mg KOH/g	0.32	0.35	0.408	---



CONTAMINATION

Particles >4µm		1372	3578	3992	---
Particles >6µm		93	602	862	---
Particles >14µm		9	34	43	---
ISO 4406:1999 (c)		18/14/10	19/16/12	19/17/13	---
Silicon	ppm	17	12	5	---
Sodium	ppm	2	1	<1	---
Potassium	ppm	2	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	14	9	3	---
Copper	ppm	4	3	1	---
Lead	ppm	3	3	1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	11	6	<1	---
Chromium	ppm	1	<1	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	101	72	58	---
Magnesium	ppm	4	1	<1	---
Zinc	ppm	462	450	442	---
Phosphorus	ppm	344	345	314	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	1	---

Depot: VOLVO0090
Unique No: 10642425
Signed: Wes Davis
Report Date: 12 Sep 2023

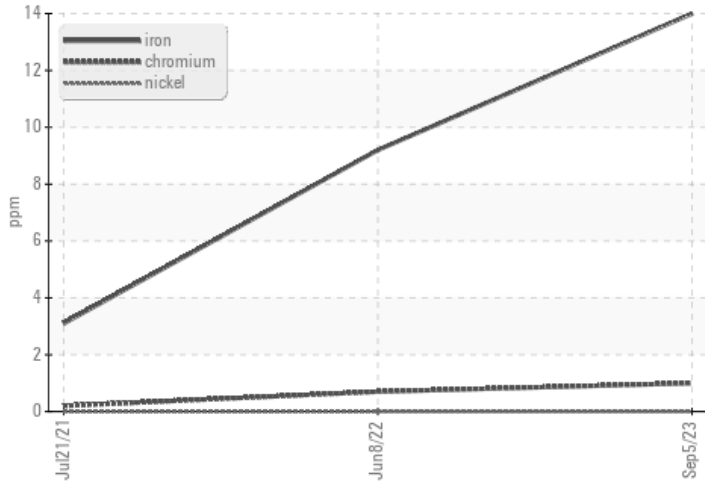


CONSTRUCTION EQUIPMENT

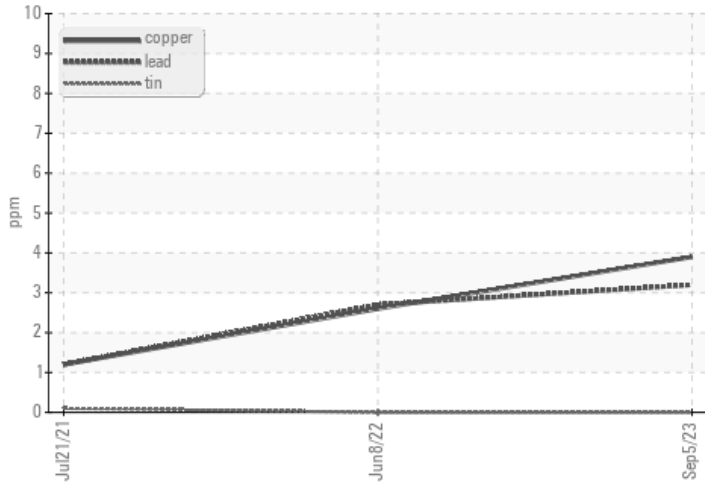


VOLVO GRAPHS

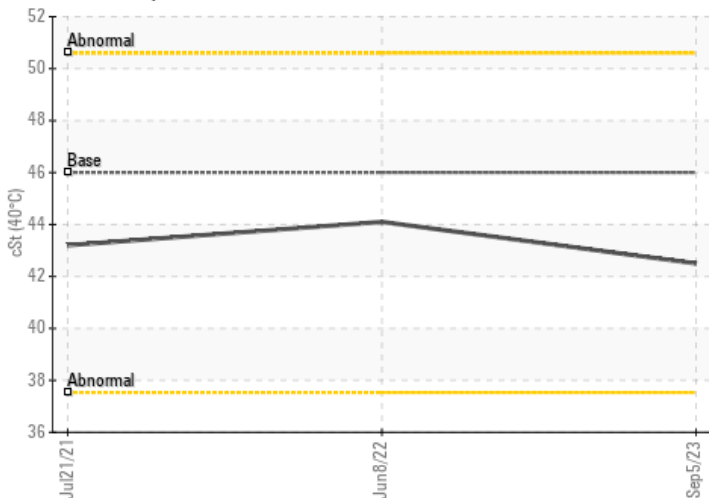
Ferrous Alloys



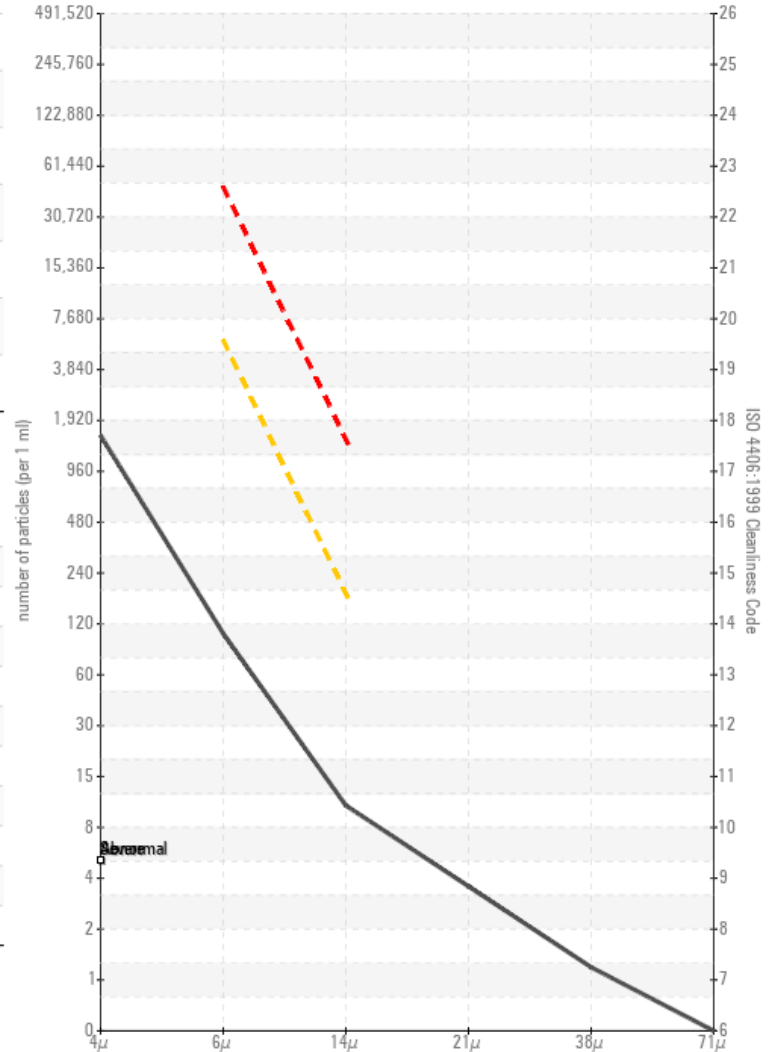
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

