



CONSTRUCTION EQUIPMENT

VOLVO A45G 352367 - A45G - HYDRAULIC SYSTEM



Sample No: VCP420171
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP420171	VCP348664	VCP348943	---
Sample Date	05 Jul 2023	06 Apr 2022	24 Jan 2022	---
Machine Hours	4852	2561	2161	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
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	43.2	42.6	42.0	---
Acid Number (AN)	mg KOH/g	0.41	0.43	0.40	---

CONTAMINATION

Particles >4µm		1377	1857	4142	---
Particles >6µm		259	521	716	---
Particles >14µm		7	65	38	---
ISO 4406:1999 (c)		18/15/10	18/16/13	19/17/12	---
Silicon	ppm	9	5	5	---
Sodium	ppm	2	2	2	---
Potassium	ppm	0	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	12	4	4	---
Copper	ppm	2	2	2	---
Lead	ppm	2	2	2	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	4	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	180	151	169	---
Magnesium	ppm	3	3	3	---
Zinc	ppm	477	436	438	---
Phosphorus	ppm	368	356	351	---
Barium	ppm	0	0	0	---
Boron	ppm	0	5	6	---

Depot: VOLVO0090
Unique No: 10551395
Signed: Wes Davis
Report Date: 12 Jul 2023

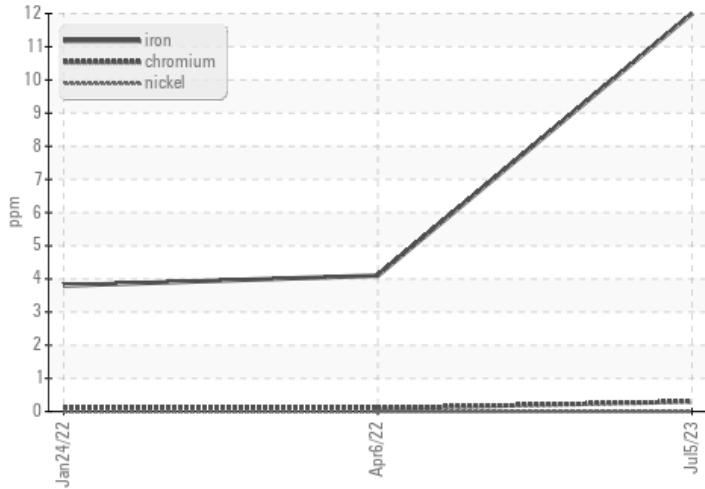


CONSTRUCTION EQUIPMENT

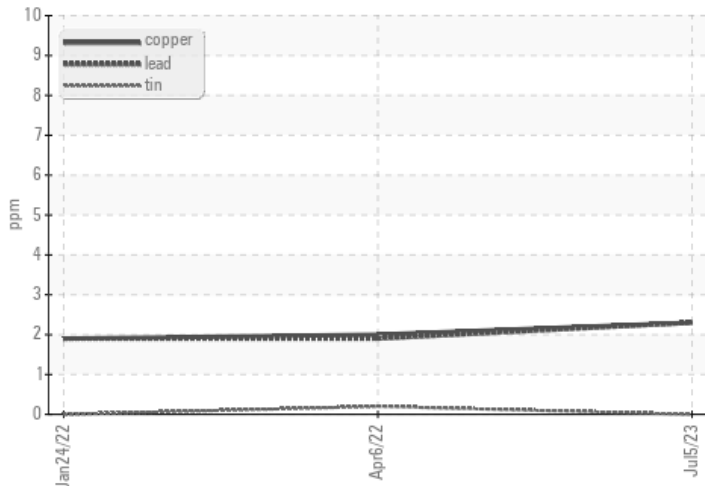


GRAPHS

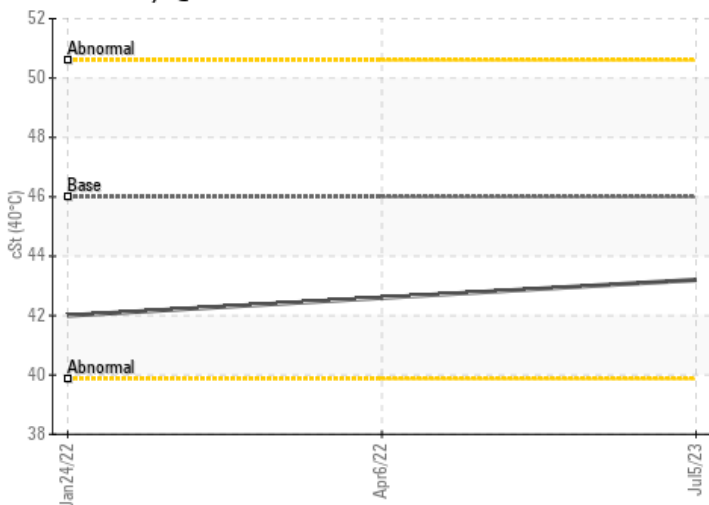
Ferrous Alloys



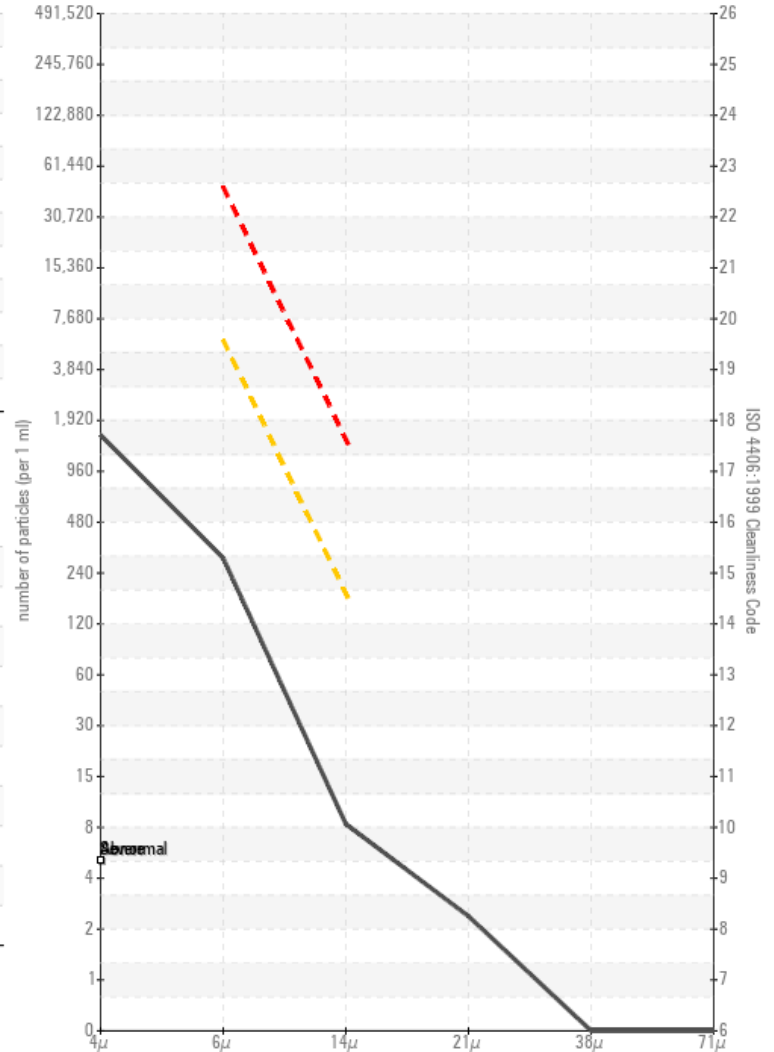
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

