



CONSTRUCTION EQUIPMENT

565037 VOLVO A45G 353312 - HYDRAULIC SYSTEM



Sample No: VCP437558
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 565037



SAMPLE INFORMATION

Sample Number	VCP437558	VCP396474	---	---
Sample Date	23 May 2024	07 Nov 2023	---	---
Machine Hours	2986	2546	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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	█ 42.6	---	---
Acid Number (AN)	mg KOH/g	█ 0.39	█ 0.51	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 15203	█ 53123	---	---
Particles >6µm		█ 859	▲ 15199	---	---
Particles >14µm		█ 36	▲ 1044	---	---
ISO 4406:1999 (c)		21/17/12	23/21/17	---	---
Silicon	ppm	█ 7	█ 7	---	---
Sodium	ppm	█ 2	█ 0	---	---
Potassium	ppm	█ 2	█ 2	---	---

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	█ 13	█ 11	---	---
Copper	ppm	█ 6	█ 7	---	---
Lead	ppm	█ 2	█ 2	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ <1	█ 3	---	---
Chromium	ppm	█ 6	█ 5	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	█ <1	█ 0	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	█ 60	█ 59	---	---
Magnesium	ppm	█ 1	█ 1	---	---
Zinc	ppm	█ 426	█ 438	---	---
Phosphorus	ppm	█ 331	█ 327	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 0	---	---

Depot: VOLVO0090
Unique No: 11056035
Signed: Wes Davis
Report Date: 30 May 2024

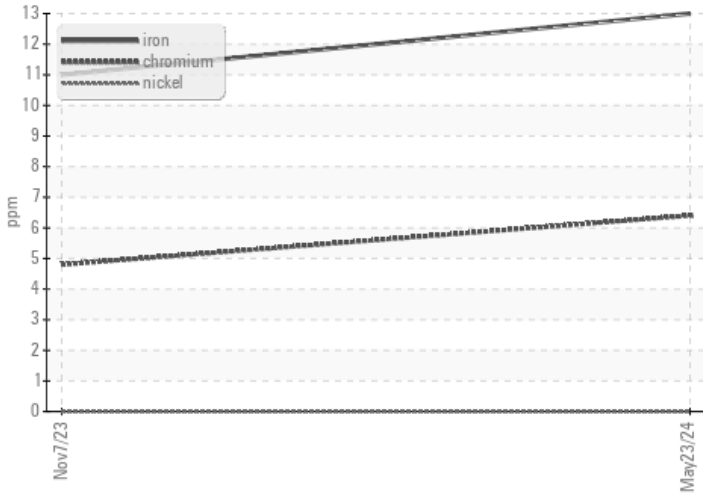


CONSTRUCTION EQUIPMENT

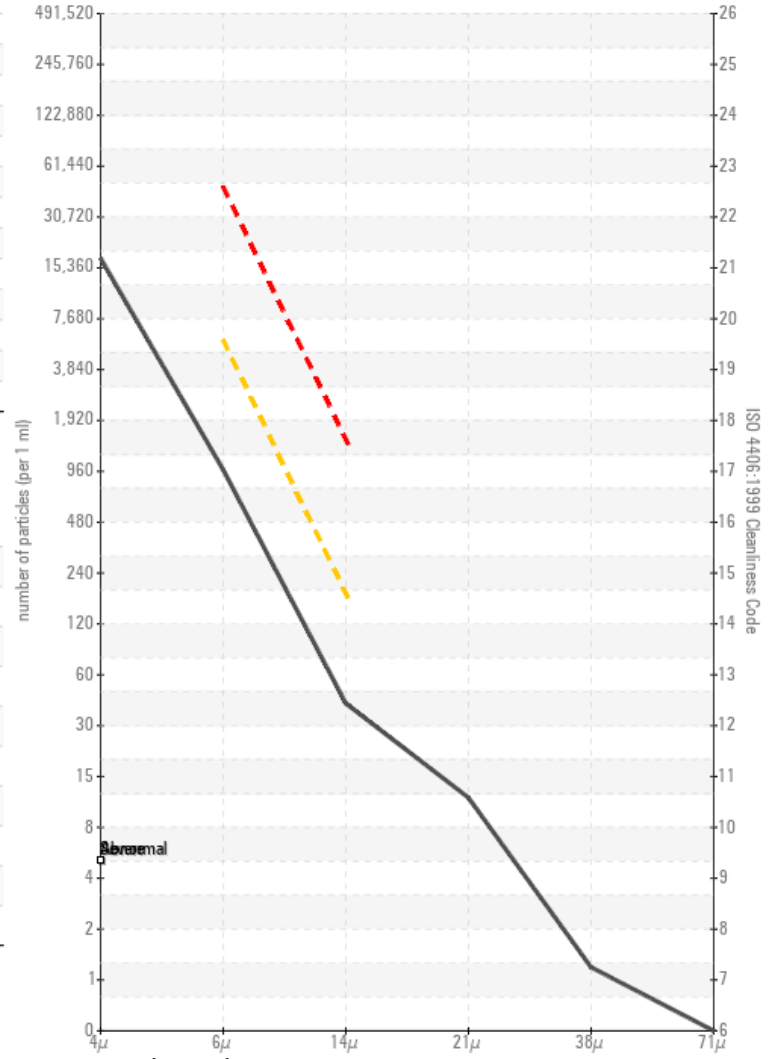


GRAPHS

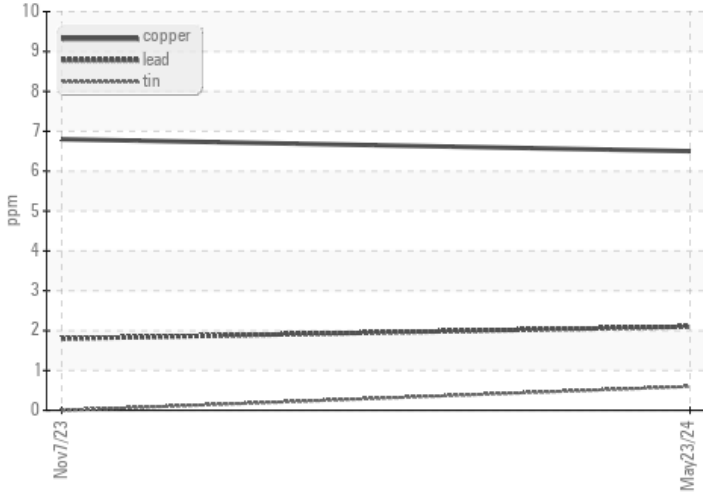
Ferrous Alloys



Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

