



CONSTRUCTION EQUIPMENT

VOLVO A45G 353220 - HYDRAULIC SYSTEM



Sample No: VCP438786
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP438786	VCP426629	---	---
Sample Date	22 Mar 2024	26 Jul 2023	---	---
Machine Hours	3496	2142	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	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	46.0	44.2	---	---
Acid Number (AN)	mg KOH/g	0.61	0.44	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		3131	6041	---	---
Particles >6µm		664	1395	---	---
Particles >14µm		55	66	---	---
ISO 4406:1999 (c)		19/17/13	20/18/13	---	---
Silicon	ppm	13	12	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	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	4	5	---	---
Copper	ppm	1	2	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	5	4	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	681	203	---	---
Magnesium	ppm	5	4	---	---
Zinc	ppm	571	475	---	---
Phosphorus	ppm	472	378	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0090
Unique No: 10941856
Signed: Wes Davis
Report Date: 26 Mar 2024

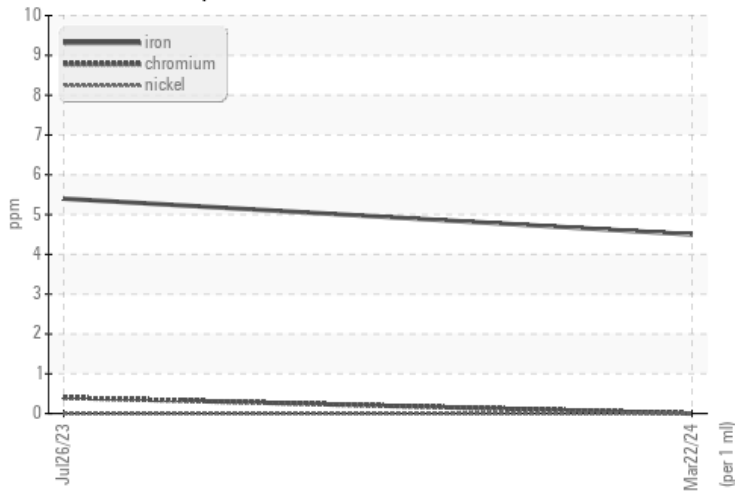


CONSTRUCTION EQUIPMENT

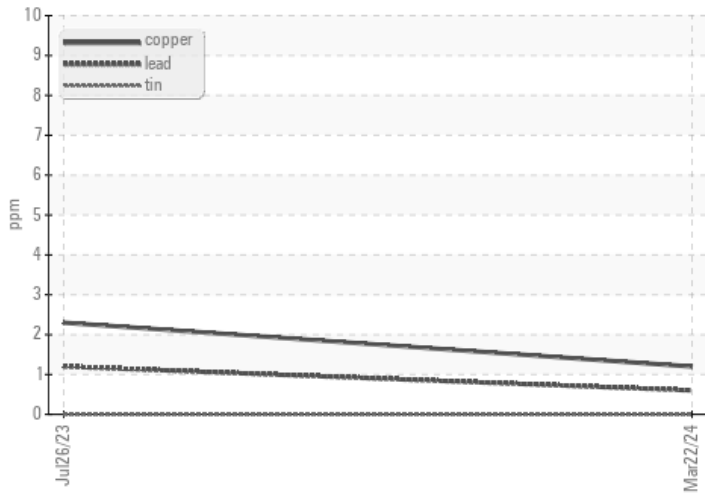


GRAPHS

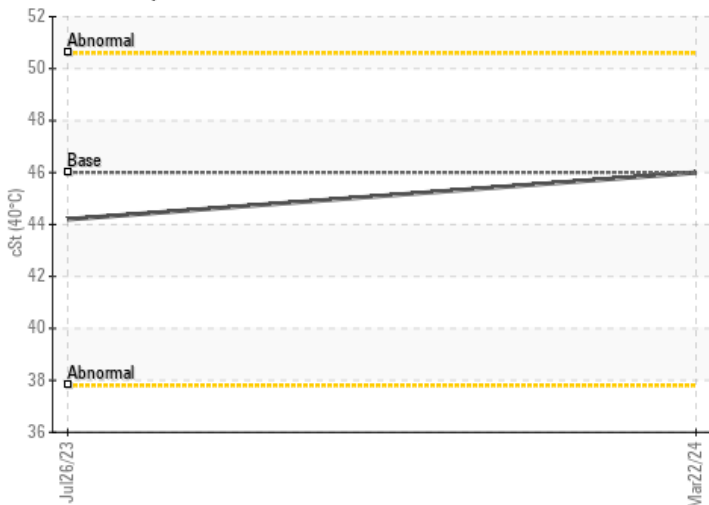
Ferrous Alloys



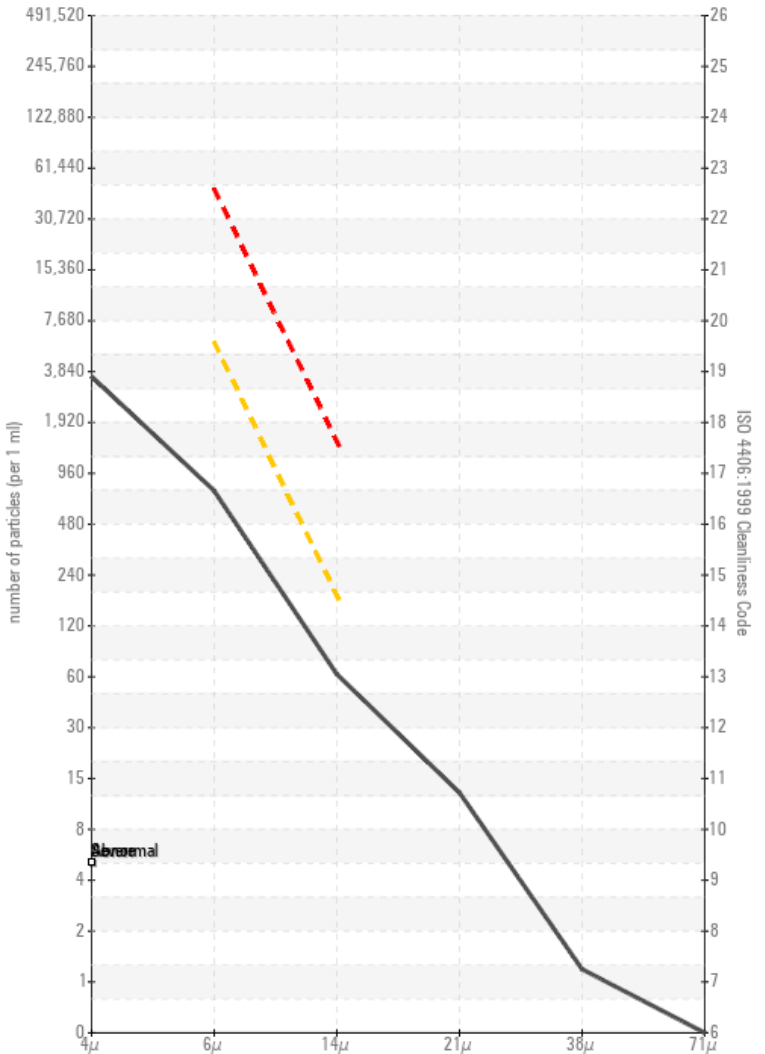
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

