



CONSTRUCTION EQUIPMENT

VOLVO A45G 752043 - HYDRAULIC SYSTEM



Sample No: VCP438603
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP438603	VCP439079	---	---
Sample Date	16 Apr 2024	27 Dec 2023	---	---
Machine Hours	1632	931	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
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OIL CONDITION

Visc @ 40°C	cSt	45.1	45.5	---	---
Acid Number (AN)	mg KOH/g	0.69	0.68	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		3271	---	---	---
Particles >6µm		1067	---	---	---
Particles >14µm		86	---	---	---
ISO 4406:1999 (c)		19/17/14	---	---	---
Silicon	ppm	4	2	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	<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	<1	<1	---	---
Copper	ppm	2	<1	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	720	734	---	---
Magnesium	ppm	9	8	---	---
Zinc	ppm	597	611	---	---
Phosphorus	ppm	502	494	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0090
Unique No: 10989686
Signed: Wes Davis
Report Date: 22 Apr 2024

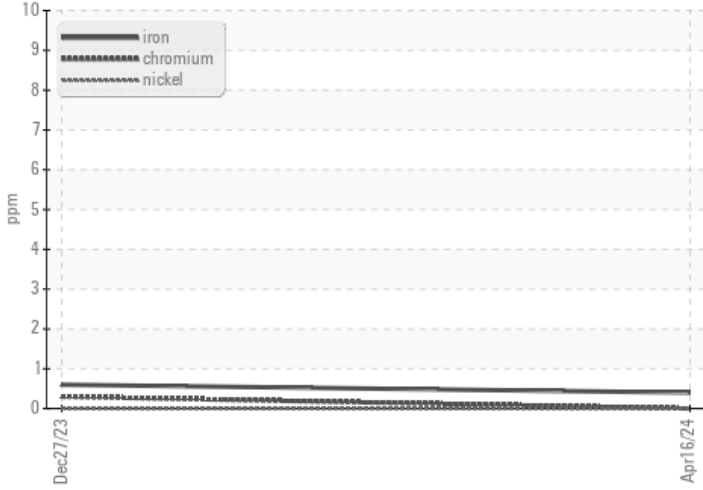


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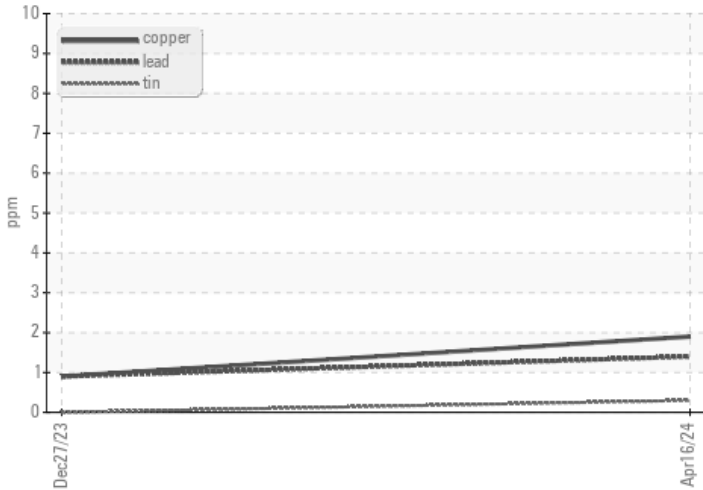


GRAPHS

Ferrous Alloys



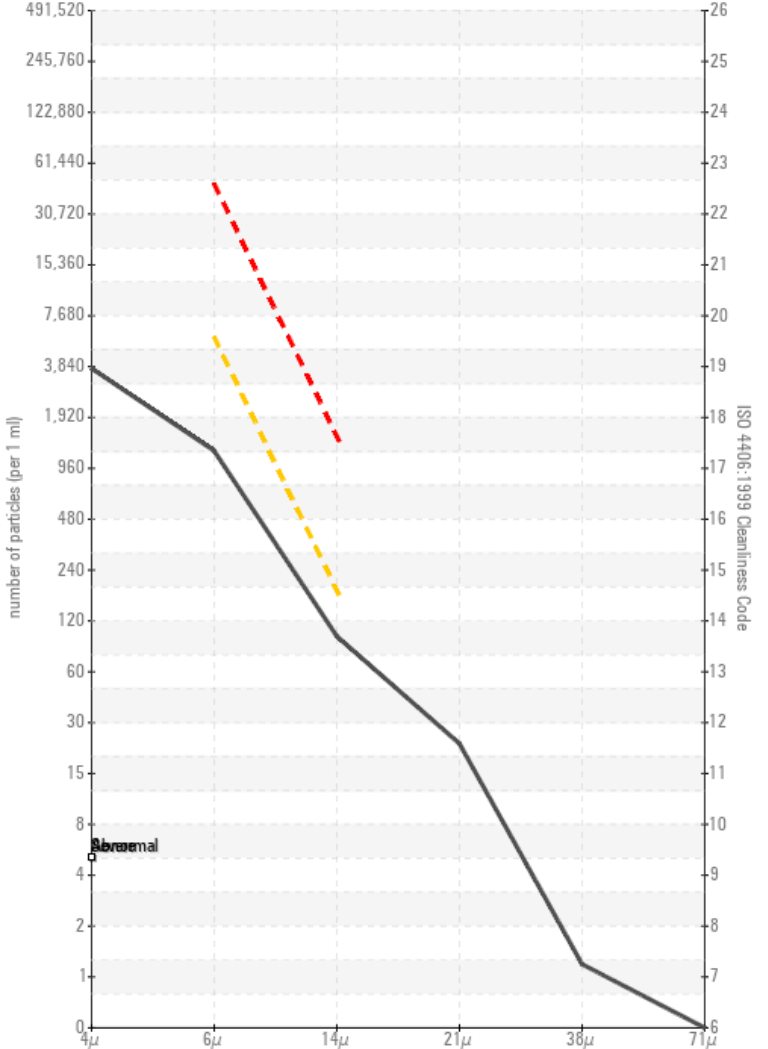
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

