



CONSTRUCTION EQUIPMENT

TRIPLE M METAL 400471 VOLVO A40G 353438 - HYDRAULIC SYSTEM



Sample No: VCP430061
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 400471



SAMPLE INFORMATION

Sample Number	VCP430061	VCP392856	---	---
Sample Date	09 Apr 2024	07 Mar 2024	---	---
Machine Hours	5295	4722	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	43.3	42.9	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		3756	544	---	---
Particles >6µm		858	143	---	---
Particles >14µm		33	13	---	---
ISO 4406:1999 (c)		19/17/12	16/14/11	---	---
Silicon	ppm	1	5	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	0	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 condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	4	7	---	---
Copper	ppm	<1	2	---	---
Lead	ppm	0	1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	2	4	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	58	63	---	---
Magnesium	ppm	1	2	---	---
Zinc	ppm	416	418	---	---
Phosphorus	ppm	319	338	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	<1	---	---

Depot: VOLVO0252
Unique No: 5761373
Signed: Wes Davis
Report Date: 12 Apr 2024

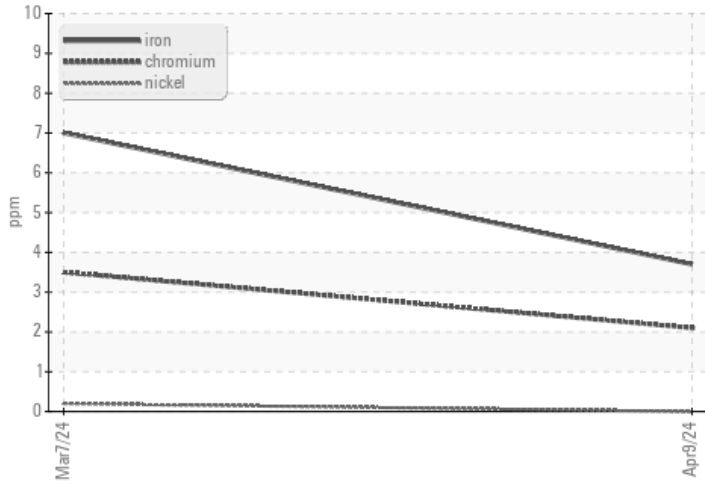


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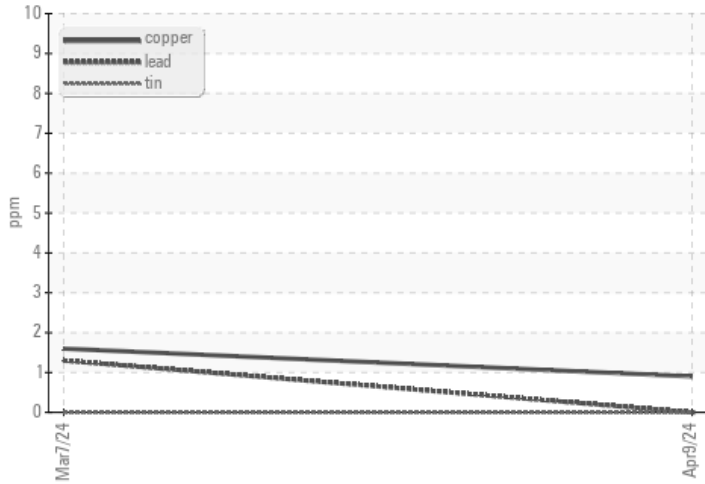


GRAPHS

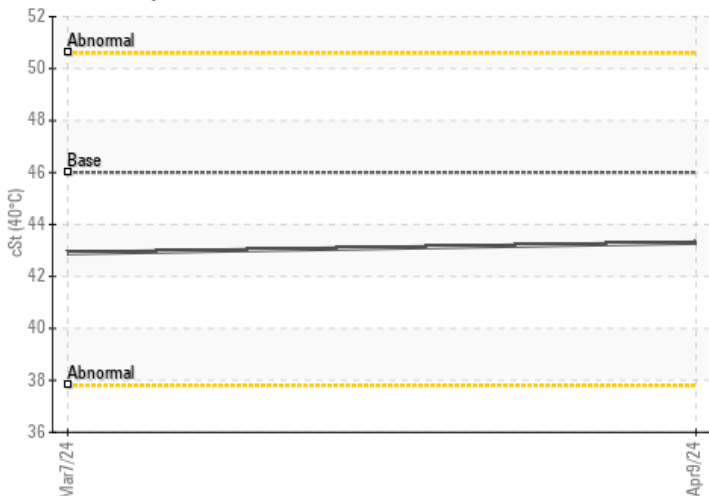
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

