



CONSTRUCTION EQUIPMENT

RSO036754 VOLVO A30G 752 104 - HYDRAULIC SYSTEM



Sample No: VCP431838
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: RSO036754



SAMPLE INFORMATION

Sample Number	VCP431838	VCP358375	---	---
Sample Date	31 Jan 2024	05 May 2022	---	---
Machine Hours	4113	1965	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE
 PENSACOLA, FL
 US 32534

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 HDOBBS@COWIN.COM
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OIL CONDITION

Visc @ 40°C	cSt	46.1	46.6	---	---
Acid Number (AN)	mg KOH/g	0.43	0.50	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		7675	15773	---	---
Particles >6µm		2965	3968	---	---
Particles >14µm		268	285	---	---
ISO 4406:1999 (c)		20/19/15	21/19/15	---	---
Silicon	ppm	6	2	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	2	0	---	---

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	<1	9	---	---
Copper	ppm	3	9	---	---
Lead	ppm	2	3	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	886	56	---	---
Magnesium	ppm	7	1	---	---
Zinc	ppm	665	445	---	---
Phosphorus	ppm	532	373	---	---
Barium	ppm	0	0	---	---
Boron	ppm	23	<1	---	---

Depot: VOLVO8247
Unique No: 10863383
Signed: Wes Davis
Report Date: 07 Feb 2024

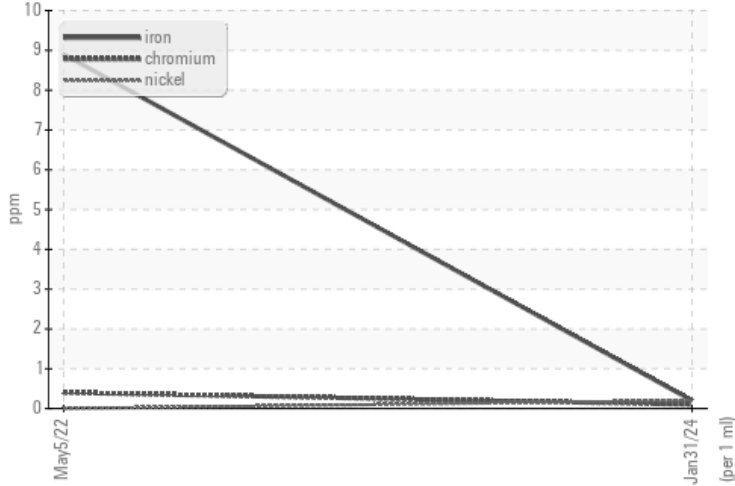


CONSTRUCTION EQUIPMENT

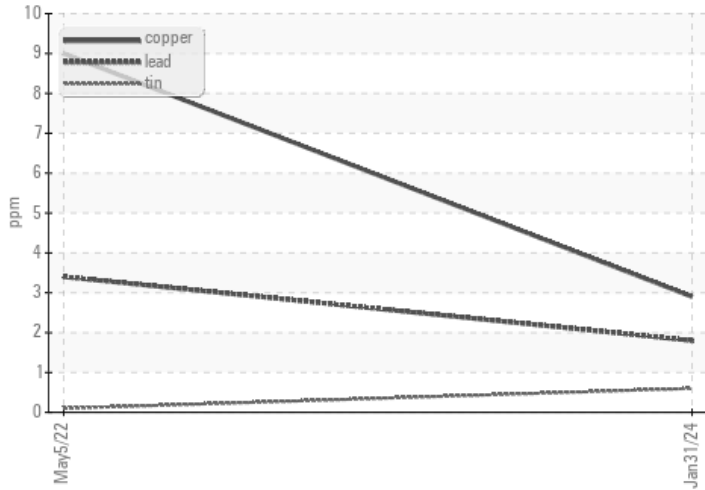


GRAPHS

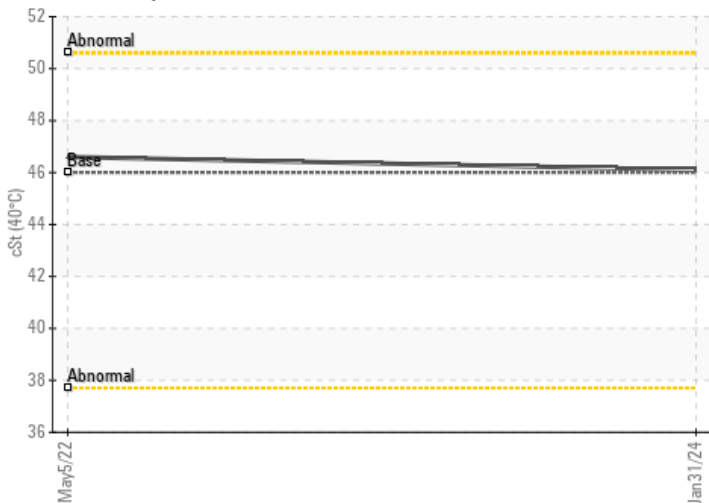
Ferrous Alloys



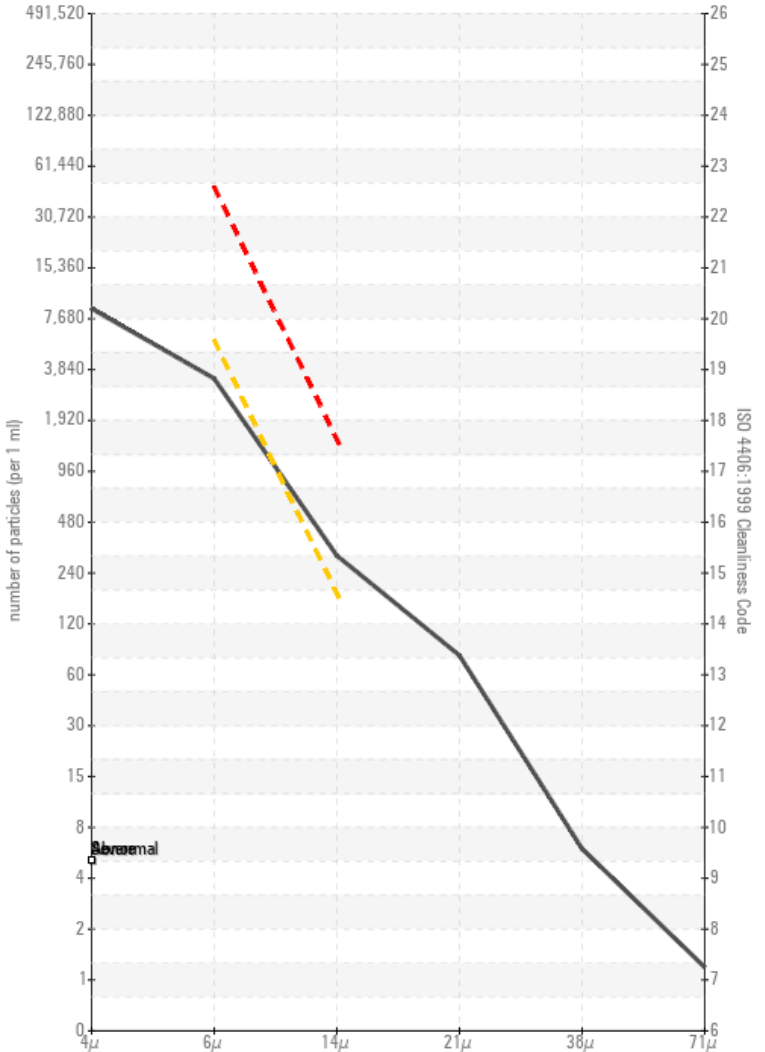
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

