



CONSTRUCTION EQUIPMENT

716675 VOLVO L70H 624454 - HYDRAULIC SYSTEM



Sample No: VCP449918
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 716675



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SAMPLE INFORMATION

Sample Number	VCP449918	VCP435631	VCP419346	---
Sample Date	20 May 2024	20 Dec 2023	23 May 2023	---
Machine Hours	4170	3446	2683	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ATTENTION	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	42.5	43.3	43.4	---
Acid Number (AN)	mg KOH/g	0.39	0.67	0.45	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		8877	4574	3554	---
Particles >6µm		2167	1136	515	---
Particles >14µm		142	84	40	---
ISO 4406:1999 (c)		20/18/14	19/17/14	19/16/12	---
Silicon	ppm	4	4	3	---
Sodium	ppm	1	4	2	---
Potassium	ppm	1	3	2	---



WEAR METALS

Iron	ppm	4	2	4	---
Copper	ppm	1	<1	<1	---
Lead	ppm	1	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	0	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	6	5	6	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	684	601	670	---
Magnesium	ppm	19	0	22	---
Zinc	ppm	575	512	562	---
Phosphorus	ppm	448	400	446	---
Barium	ppm	0	0	0	---
Boron	ppm	20	19	21	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate 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.

Depot: VOLVO0093
Unique No: 11047130
Signed: Don Baldrige
Report Date: 29 May 2024

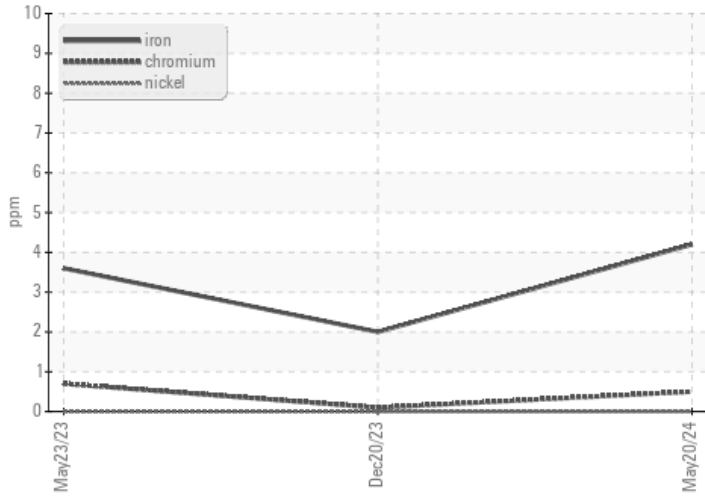


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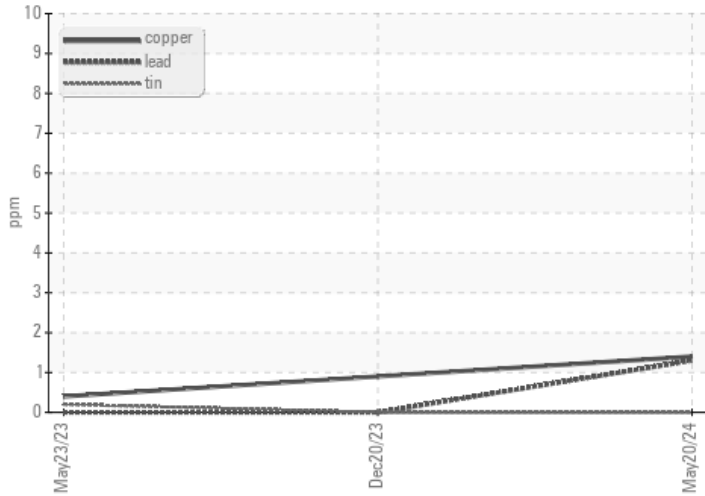


GRAPHS

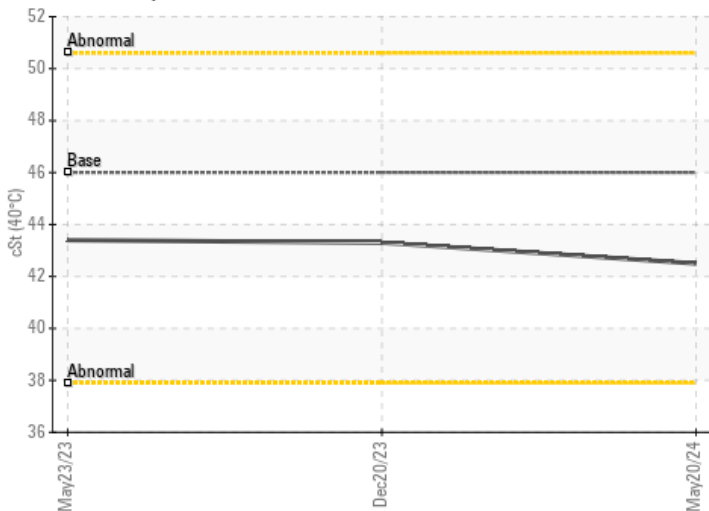
Ferrous Alloys



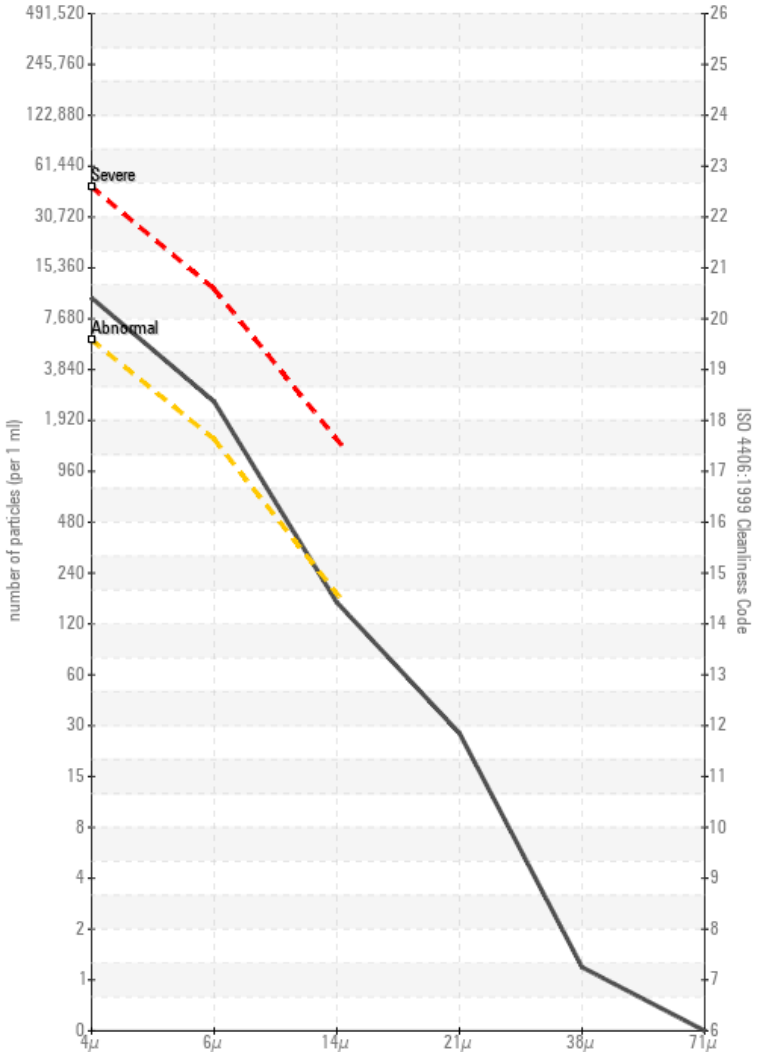
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

