



CONSTRUCTION EQUIPMENT

701666 VOLVO A35G 340108 - HYDRAULIC SYSTEM



Sample No: VCP445530
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 701666



SAMPLE INFORMATION

Sample Number	VCP445530	VCP373321	VCP245822	---
Sample Date	23 Apr 2024	06 Jul 2022	17 May 2019	---
Machine Hours	9761	7952	3990	---
Oil Hours	2000	0	0	---
Oil Changed	Not Changed	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

BLAZE CONSTRUCTION
 5640 ST JEAN ST
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 US 48213
 Contact: DAVE WARD
 dward@blazecontracting.net
 T: (248)632-2317
 F:

OIL CONDITION

Visc @ 40°C	cSt	41.2	46.2	39.0	---
Acid Number (AN)	mg KOH/g	0.35	0.60	0.291	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		55625	2883	2377	---
Particles >6µm		11844	427	613	---
Particles >14µm		469	13	40	---
ISO 4406:1999 (c)		23/21/16	19/16/11	18/16/12	---
Silicon	ppm	7	2	10	---
Sodium	ppm	4	0	2	---
Potassium	ppm	0	0	<1	---

Diagnosis
 The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. 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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

WEAR METALS

Iron	ppm	13	<1	7	---
Copper	ppm	7	0	5	---
Lead	ppm	2	0	3	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	2	<1	<1	---
Chromium	ppm	1	0	1	---
Molybdenum	ppm	<1	1	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	160	509	68	---
Magnesium	ppm	8	17	2	---
Zinc	ppm	464	753	419	---
Phosphorus	ppm	378	544	328	---
Barium	ppm	0	0	0	---
Boron	ppm	0	18	<1	---

Depot: BLADET
Unique No: 11007540
Signed: Wes Davis
Report Date: 03 May 2024

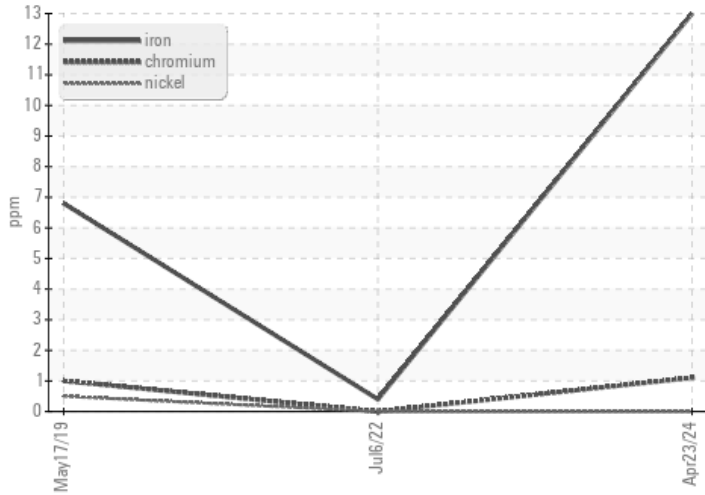


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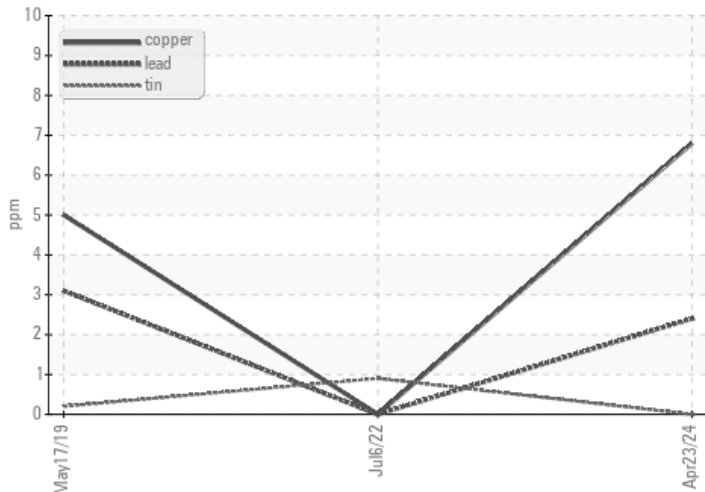


VOLVO GRAPHS

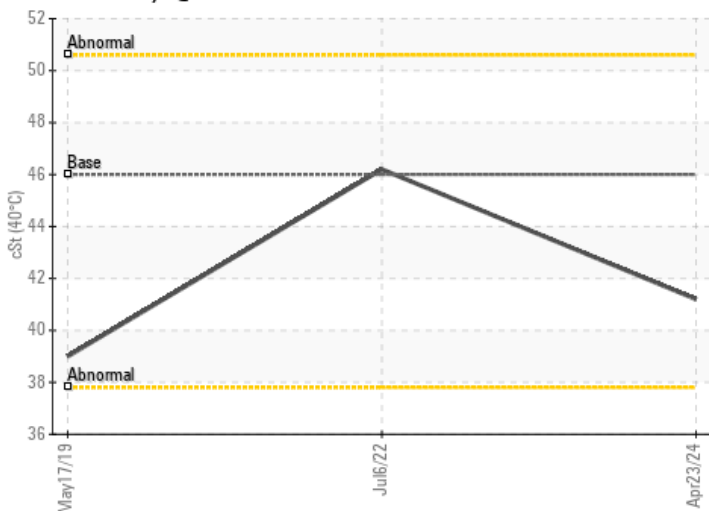
Ferrous Alloys



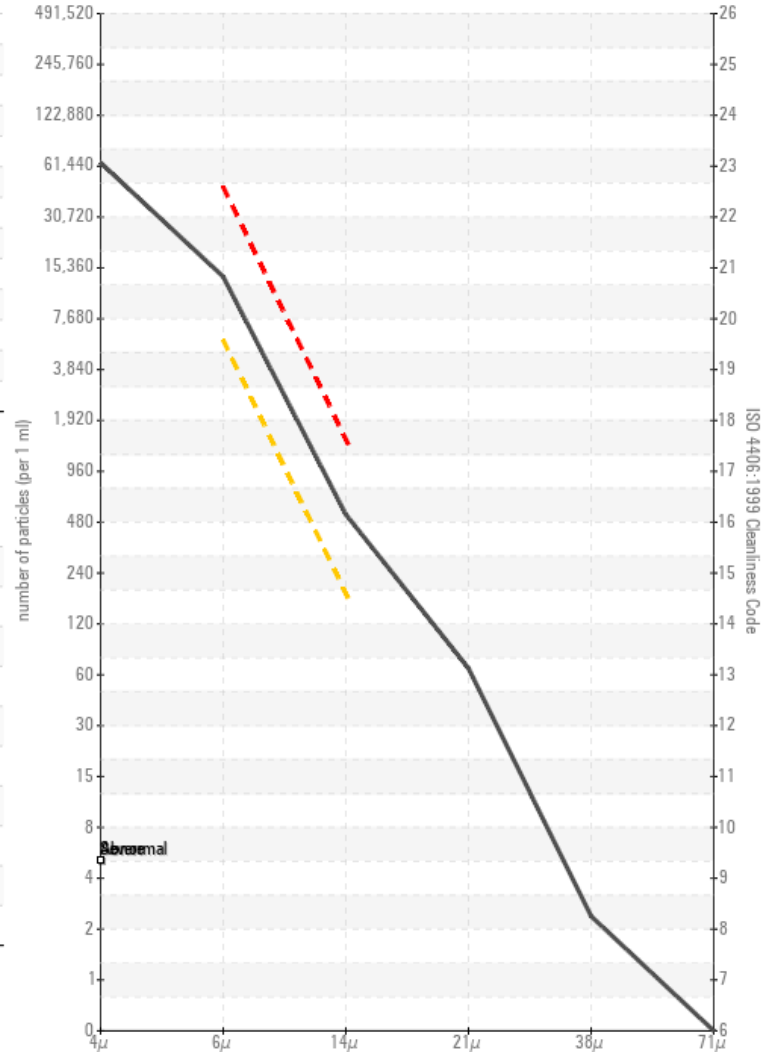
Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count



Acid Number

