



CONSTRUCTION EQUIPMENT

674503 VOLVO L110G 8200 - HYDRAULIC SYSTEM



Sample No: VCP440892
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 674503



SAMPLE INFORMATION

Sample Number	VCP440892	VCP388731	VCP246966	VCP214711
Sample Date	22 Feb 2024	02 Sep 2022	19 Sep 2019	19 Dec 2017
Machine Hours	17946	15914	12017	9004
Oil Hours	0	4000	0	1000
Oil Changed	Not Changed	Changed	Changed	Not Changed
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL

BLAZE CONSTRUCTION
 5640 ST JEAN ST
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 US 48213
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 dward@blazecontracting.net
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 F:

OIL CONDITION

Visc @ 40°C	cSt	42.8	41.5	40.7	42.24
Acid Number (AN)	mg KOH/g	0.80	0.38	0.411	---

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		84918	21289	632	---
Particles >6µm		7200	4170	86	---
Particles >14µm		72	215	9	---
ISO 4406:1999 (c)		24/20/13	22/19/15	16/14/10	---
Silicon	ppm	5	8	24	26
Sodium	ppm	3	3	2	1
Potassium	ppm	1	0	<1	<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	2	4	9	9
Copper	ppm	2	2	4	3
Lead	ppm	<1	0	1	1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	2	2	2
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	36	75	124	106
Magnesium	ppm	4	2	7	4
Zinc	ppm	457	420	457	433
Phosphorus	ppm	353	334	344	353
Barium	ppm	0	0	0	0
Boron	ppm	0	<1	4	2

Depot: BLADET
Unique No: 10901140
Signed: Wes Davis
Report Date: 29 Feb 2024

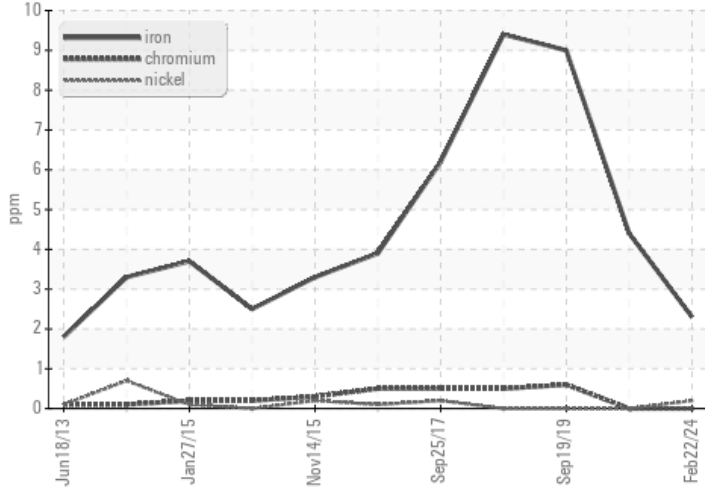


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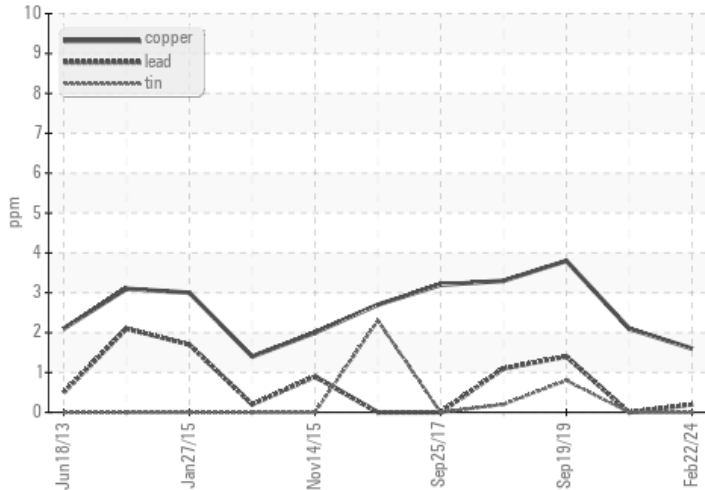


GRAPHS

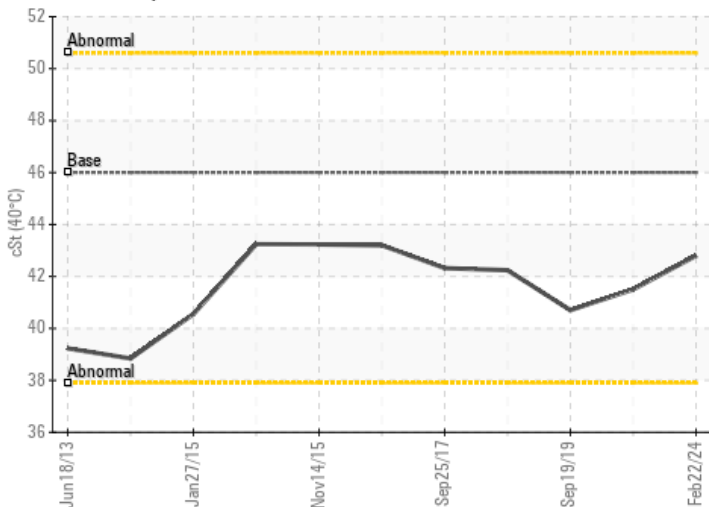
Ferrous Alloys



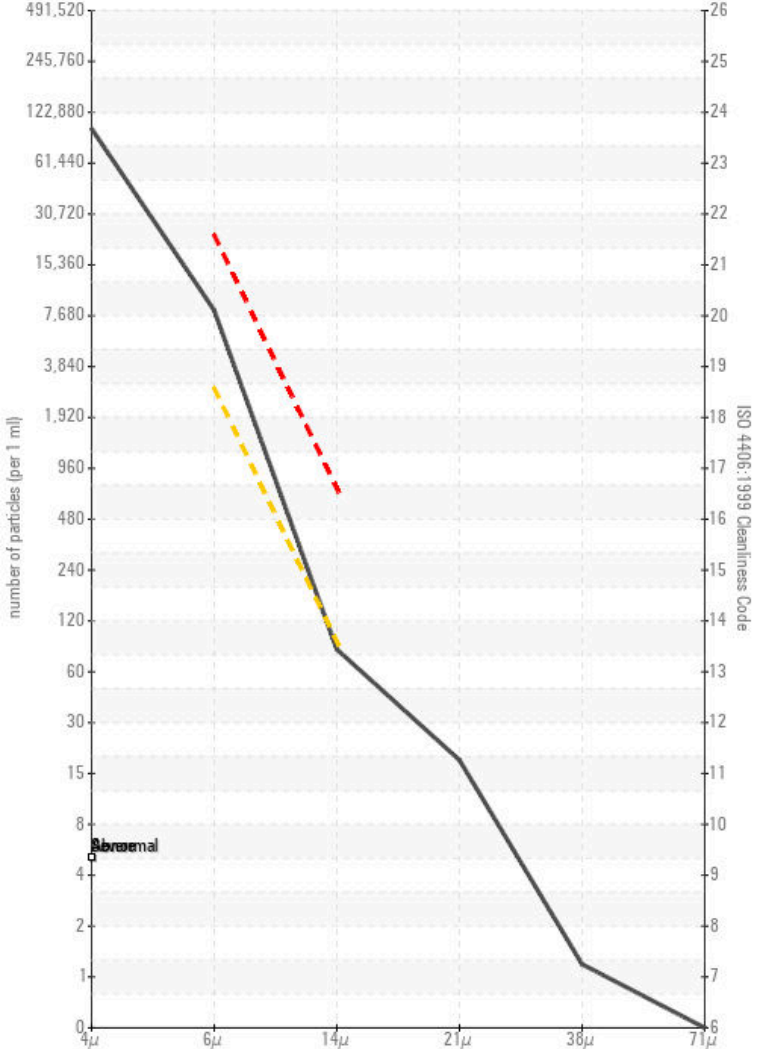
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

