



CONSTRUCTION EQUIPMENT

5345-1 BROOKRED CHIP VOLVO L120H 632931 - HYDRAULIC SYSTEM



Sample No: VCP417219
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 5345-1 BROOKRED CHIP



SAMPLE INFORMATION

Sample Number	VCP417219	VCP401978	VCP403170	VCP324776
Sample Date	09 Jun 2023	23 Mar 2023	27 Jan 2023	09 Jul 2021
Machine Hours	10217	9538	8902	1128
Oil Hours	500	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

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 2025 COOK DRIVE
 SALEM, VA
 US 24153
 Contact: CHRIS BLANKENSHIP
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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	43.1	42.9	45.5	45.3
Acid Number (AN)	mg KOH/g	0.36	0.31	0.41	0.375



CONTAMINATION

Particles >4µm		4949	574	2932	1285
Particles >6µm		1490	130	700	278
Particles >14µm		81	17	29	16
ISO 4406:1999 (c)		19/18/14	16/14/11	19/17/12	17/15/11
Silicon	ppm	2	3	1	2
Sodium	ppm	0	<1	0	<1
Potassium	ppm	1	<1	<1	0

Diagnosis

We recommend you service the filters on this component. 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	6	5	0	<1
Copper	ppm	2	1	0	0
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	<1	0	0
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	53	45	51	54
Magnesium	ppm	13	12	0	<1
Zinc	ppm	371	321	439	457
Phosphorus	ppm	398	391	329	335
Barium	ppm	0	0	0	0
Boron	ppm	0	2	0	3

Depot: VOLVO9010
Unique No: 10512908
Signed: Wes Davis
Report Date: 15 Jun 2023

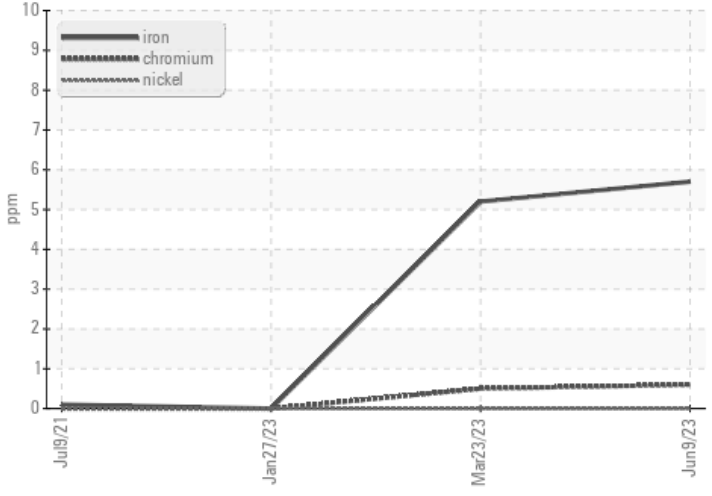


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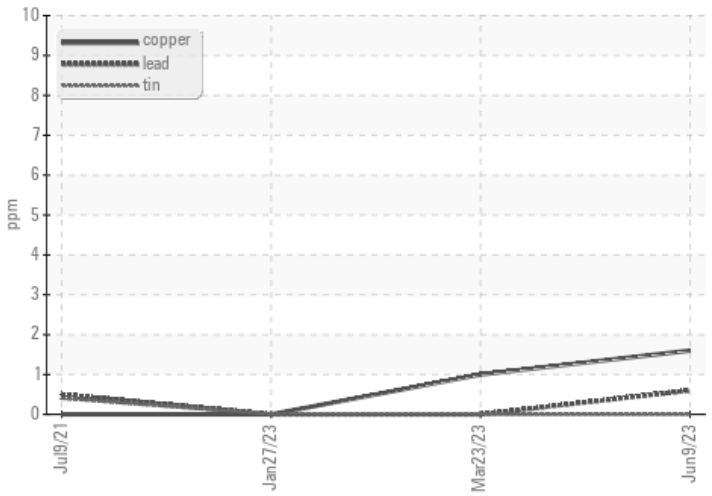


GRAPHS

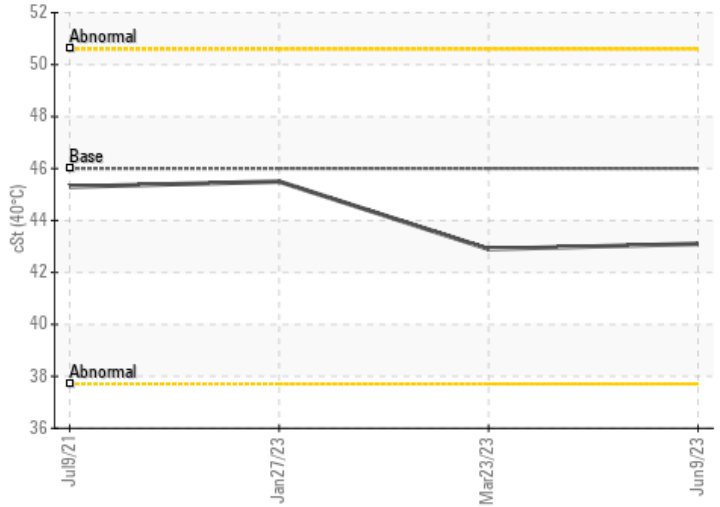
Ferrous Alloys



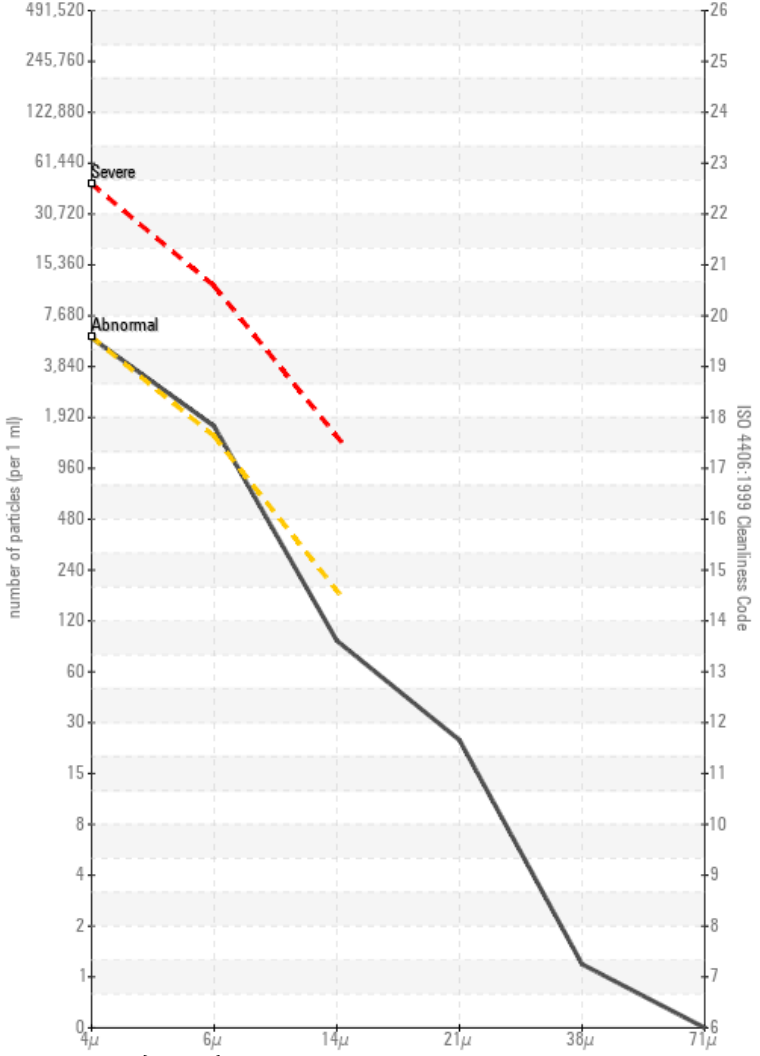
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

