



CONSTRUCTION EQUIPMENT

19121 KOPPERS VOLVO L120H 632722 - HYDRAULIC SYSTEM



Sample No: VCP418463
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 19121 KOPPERS



SAMPLE INFORMATION

Sample Number	VCP418463	VCP426554	VCP398715	VCP359120
Sample Date	30 Jun 2023	13 Apr 2023	26 Jan 2023	08 Jul 2022
Machine Hours	5097	4605	4116	2868
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ATTENTION	ATTENTION	ATTENTION	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	52.2	51.5	▲ 54.5	48.9
Acid Number (AN)	mg KOH/g	0.30	0.30	0.32	0.34



CONTAMINATION

Particles >4µm	4528	4720	2985	3150	
Particles >6µm	▲ 1413	▲ 1889	476	673	
Particles >14µm	114	154	15	47	
ISO 4406:1999 (c)	19/18/14	19/18/14	19/16/11	19/17/13	
Silicon	ppm	<1	<1	2	3
Sodium	ppm	<1	0	<1	0
Potassium	ppm	0	<1	0	<1

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



ADDITIVES

Calcium	ppm	48	54	65	100
Magnesium	ppm	2	4	8	11
Zinc	ppm	431	441	458	436
Phosphorus	ppm	359	332	350	335
Barium	ppm	0	0	0	2
Boron	ppm	0	0	0	4

Depot: VOLVO8769
Unique No: 10552606
Signed: Wes Davis
Report Date: 13 Jul 2023

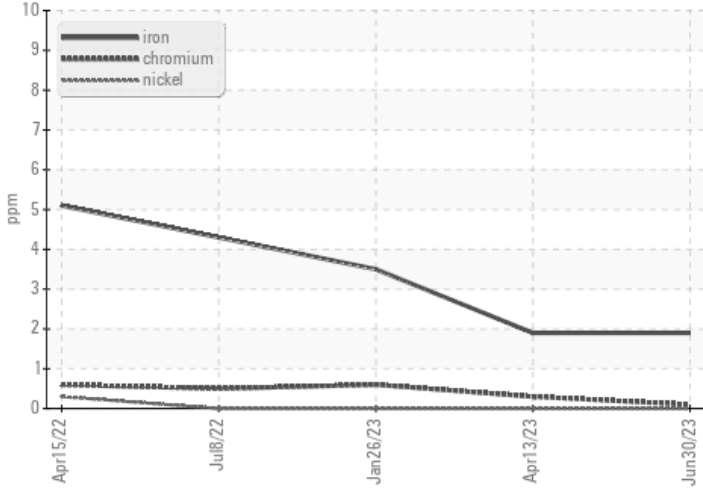


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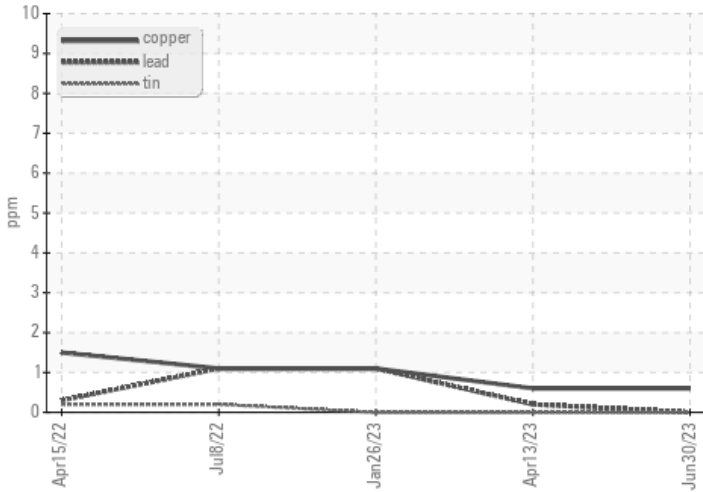


GRAPHS

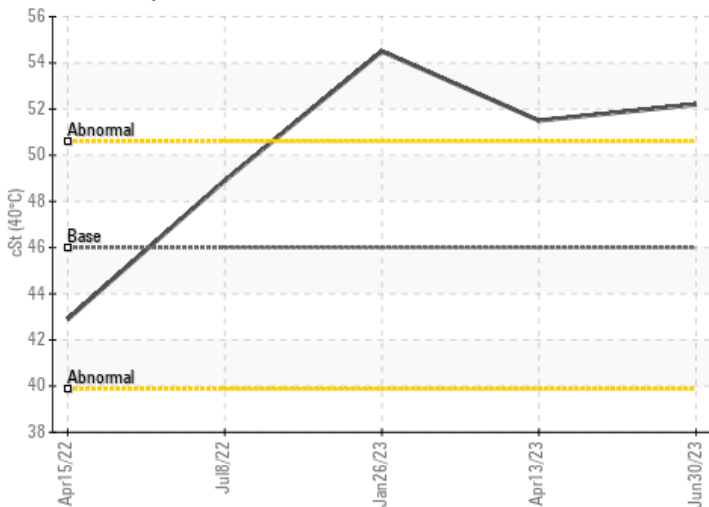
Ferrous Alloys



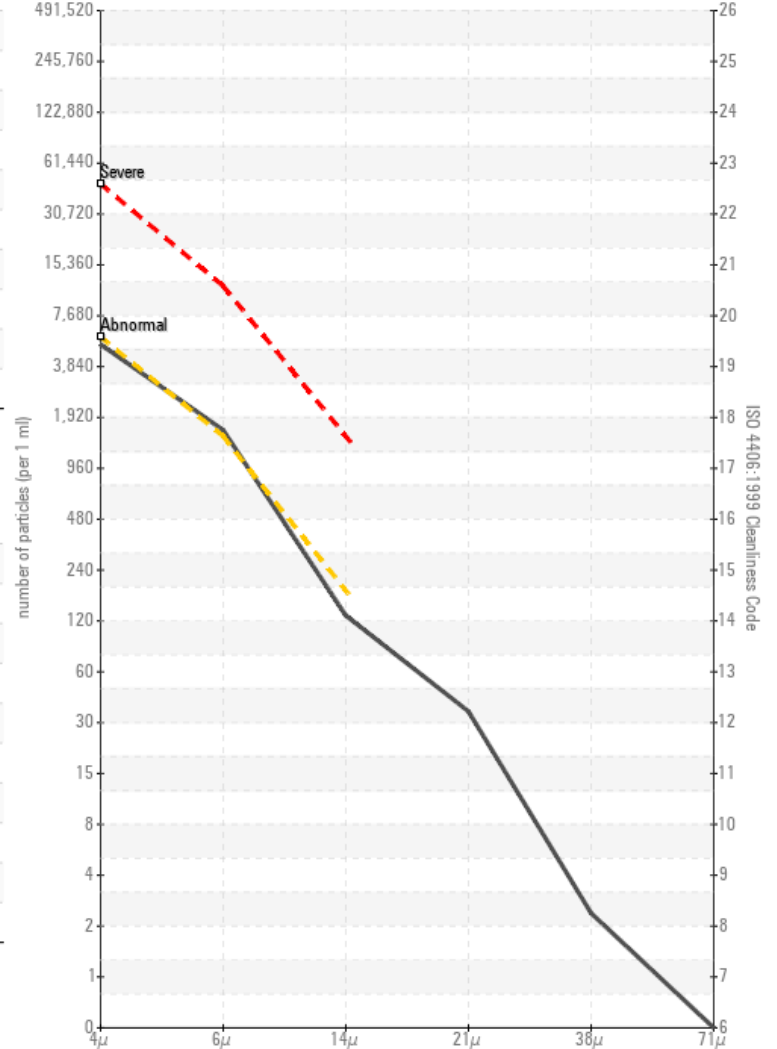
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

