



CONSTRUCTION EQUIPMENT

19691 KOPPERS VOLVO L120H 632722 - HYDRAULIC SYSTEM



Sample No: VCP412140
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19691 KOPPERS



SAMPLE INFORMATION

Sample Number	VCP412140	VCP418463	VCP426554	VCP398715
Sample Date	21 Sep 2023	30 Jun 2023	13 Apr 2023	26 Jan 2023
Machine Hours	5554	5097	4605	4116
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	ATTENTION	ATTENTION	ATTENTION

117 - ASCENDUM MACHINERY INC - GREENVILLE
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 US 27834
 Contact: BRANDON JENKINS
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	52.2	52.2	51.5	▲ 54.5
Acid Number (AN)	mg KOH/g	0.45	0.30	0.30	0.32



CONTAMINATION

Particles >4µm	4252	4528	4720	2985	
Particles >6µm	878	▲ 1413	▲ 1889	476	
Particles >14µm	44	114	154	15	
ISO 4406:1999 (c)	19/17/13	19/18/14	19/18/14	19/16/11	
Silicon	ppm	2	<1	<1	2
Sodium	ppm	0	<1	0	<1
Potassium	ppm	1	0	<1	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	3	2	2	4
Copper	ppm	<1	<1	<1	1
Lead	ppm	<1	0	<1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	446	48	54	65
Magnesium	ppm	8	2	4	8
Zinc	ppm	566	431	441	458
Phosphorus	ppm	448	359	332	350
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: VOLVO8769
Unique No: 10673539
Signed: Jonathan Hester
Report Date: 04 Oct 2023

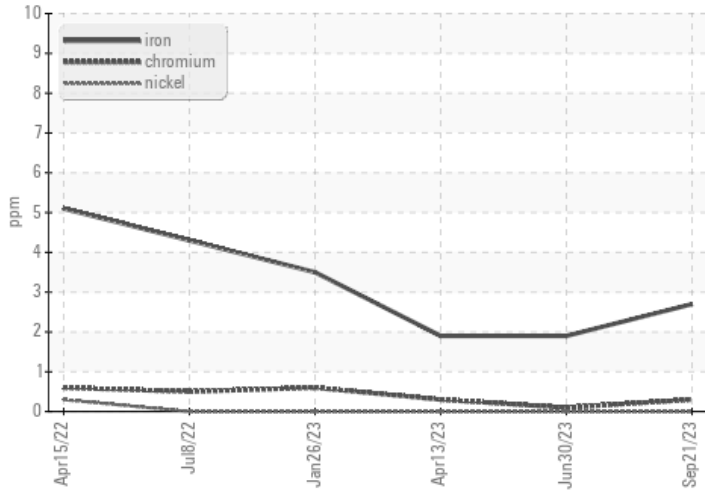


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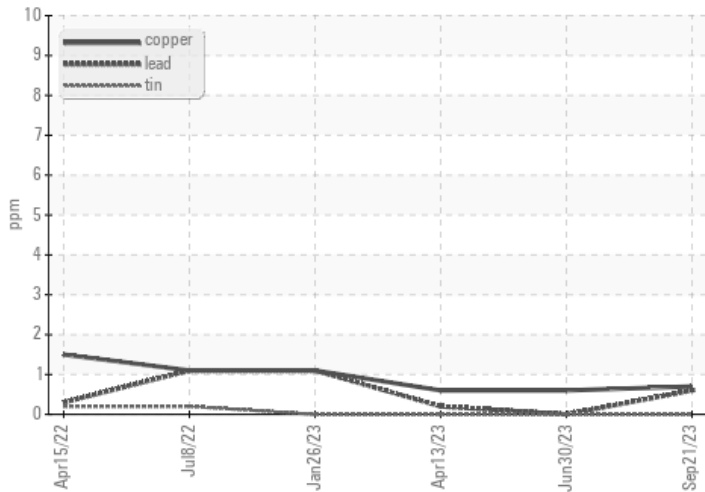


VOLVO GRAPHS

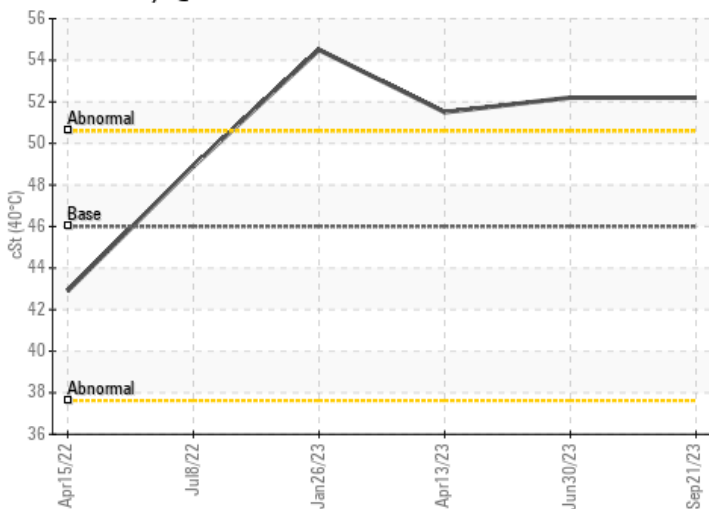
Ferrous Alloys



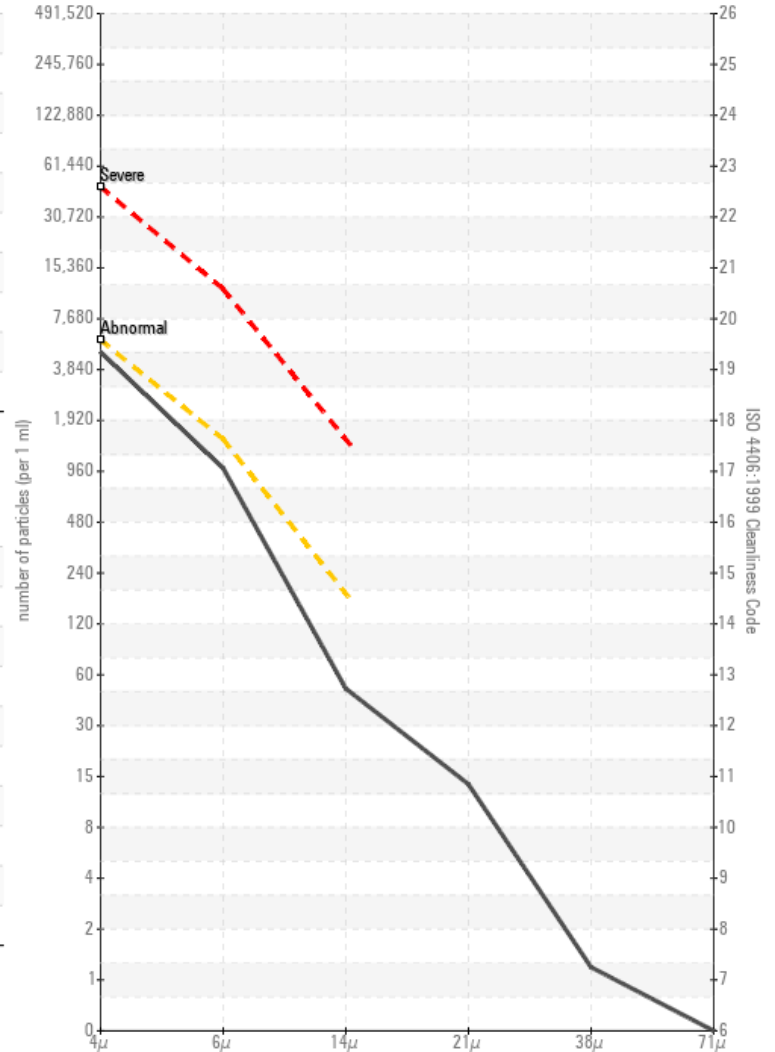
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

