



CONSTRUCTION EQUIPMENT

19481 KOPPERS VOLVO L120H 632917 - HYDRAULIC SYSTEM



Sample No: VCP432999
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19481 KOPPERS



SAMPLE INFORMATION

Sample Number	VCP432999	VCP420500	VCP388679	VCP359129
Sample Date	06 Sep 2023	26 May 2023	26 Jan 2023	13 Jul 2022
Machine Hours	4106	3535	2683	1596
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

117 - ASCENDUM MACHINERY INC - GREENVILLE
 2002 N GREENE ST
 GREENVILLE, NC
 US 27834
 Contact: BRANDON JENKINS
 BRANDON.JENKINS@ASCENDUMMACHINERY.COM
 T:
 F: (704)494-8197



OIL CONDITION

Visc @ 40°C	cSt	43.2	43.4	43.6	43.6
Acid Number (AN)	mg KOH/g	0.31	0.29	0.28	0.31



CONTAMINATION

Particles >4µm		3833	4780	2633	2145
Particles >6µm		865	1195	649	311
Particles >14µm		52	106	64	54
ISO 4406:1999 (c)		19/17/13	19/17/14	19/17/13	18/15/13
Silicon	ppm	4	4	3	3
Sodium	ppm	1	<1	<1	0
Potassium	ppm	0	<1	0	<1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	6	7	4	4
Copper	ppm	2	2	2	2
Lead	ppm	1	2	1	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	0	<1	<1
Chromium	ppm	<1	1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	70	70	63	72
Magnesium	ppm	3	10	6	7
Zinc	ppm	447	454	430	457
Phosphorus	ppm	361	331	321	336
Barium	ppm	0	0	0	2
Boron	ppm	0	0	0	2

Depot: VOLVO8769
Unique No: 10647282
Signed: Wes Davis
Report Date: 16 Sep 2023

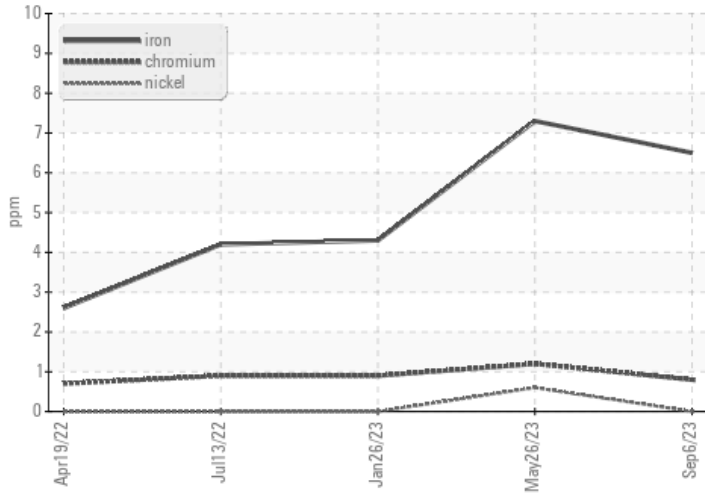


CONSTRUCTION EQUIPMENT

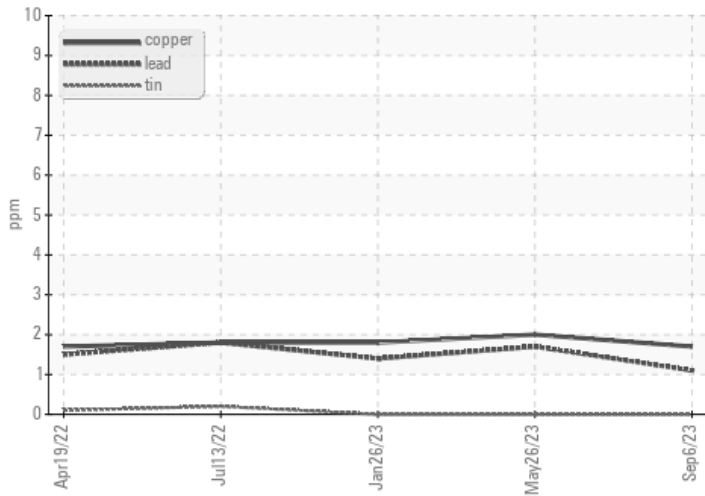


VOLVO GRAPHS

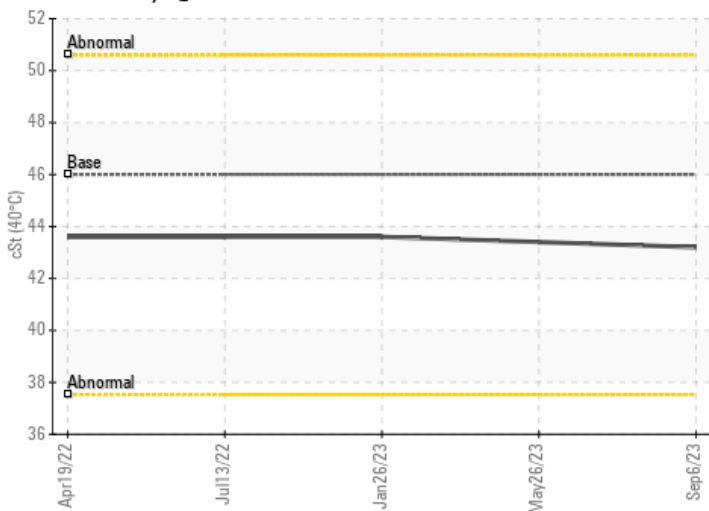
Ferrous Alloys



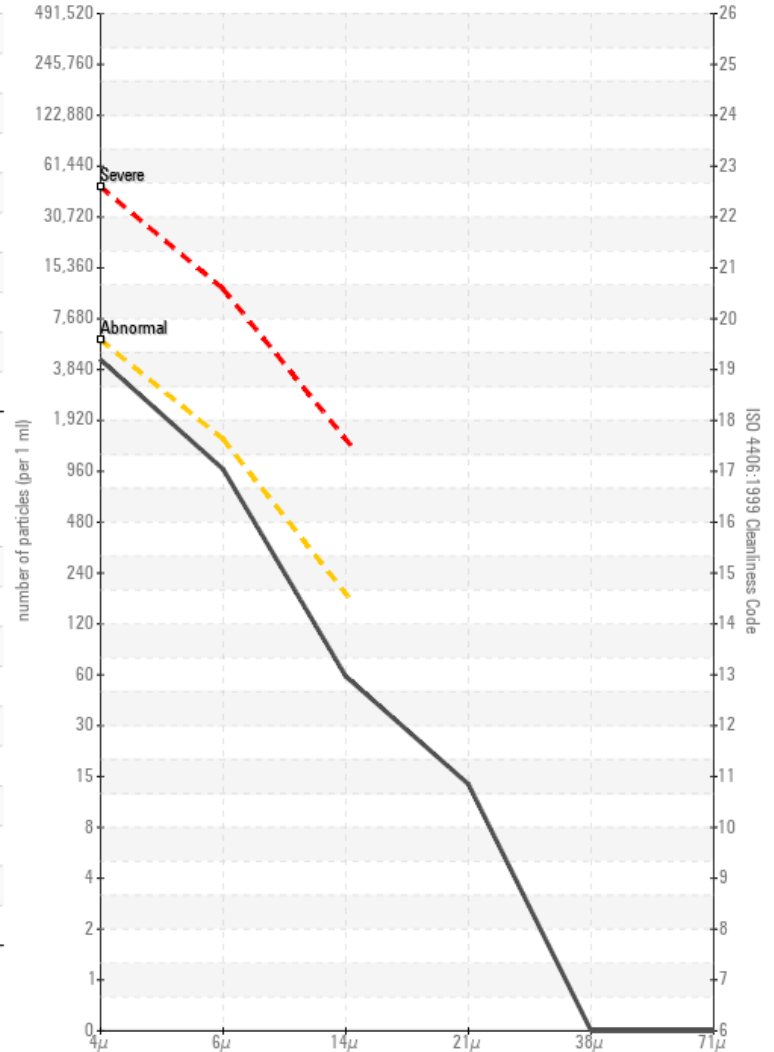
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

