



CONSTRUCTION EQUIPMENT

225208 CRC WM VOLVO L120H 632191 - HYDRAULIC SYSTEM



Sample No: VCP424201
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 225208 CRC WM



SAMPLE INFORMATION

Sample Number	VCP424201	VCP371202	VCP363790	VCP305099
Sample Date	07 Sep 2023	13 Jan 2023	11 Oct 2022	22 Sep 2021
Machine Hours	17291	16571	16520	14382
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	N/A	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	ABNORMAL

PACWEST MACHINERY
 8207 SOUTH 216TH STREET
 KENT, WA
 US 98032
 Contact: DAN SLAGLE
 dslagle@pacwestmachinery.com
 T: (206)482-4179
 F: (509)534-5286



OIL CONDITION

Visc @ 40°C	cSt	42.6	42.5	42.4	43.2
Acid Number (AN)	mg KOH/g	0.38	0.49	0.47	0.405



CONTAMINATION

Particles >4µm		6341	1484	3017	---
Particles >6µm		1805	283	737	---
Particles >14µm		123	25	73	---
ISO 4406:1999 (c)		20/18/14	18/15/12	19/17/13	---
Silicon	ppm	1	2	2	4
Sodium	ppm	0	2	3	5
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	1	3	2	5
Copper	ppm	<1	1	1	2
Lead	ppm	<1	<1	0	1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	<1	0	1
Molybdenum	ppm	<1	<1	0	<1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	0
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	60	56	46	61
Magnesium	ppm	4	1	0	1
Zinc	ppm	495	488	455	470
Phosphorus	ppm	386	399	371	371
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	3

Depot: VOLVO1271
Unique No: 10648655
Signed: Wes Davis
Report Date: 18 Sep 2023

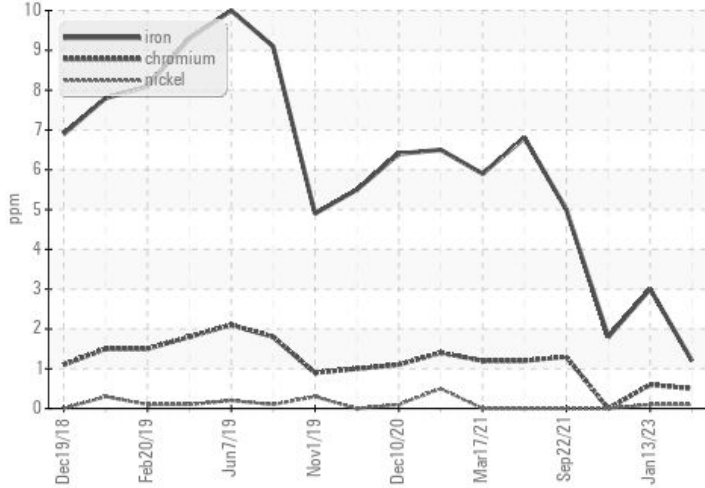


CONSTRUCTION EQUIPMENT

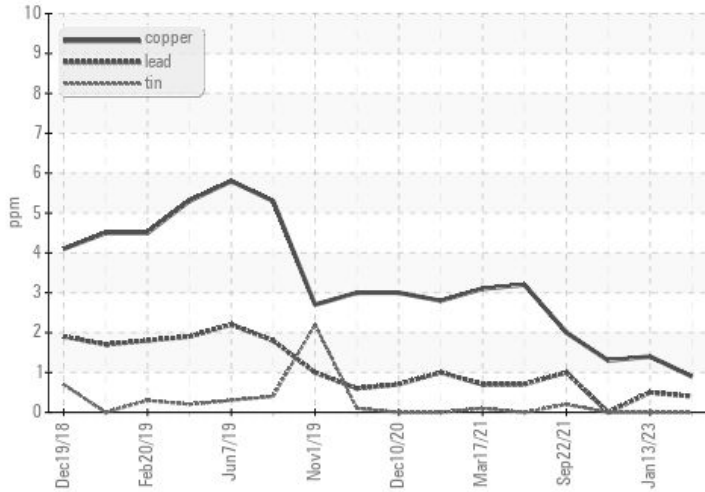


VOLVO GRAPHS

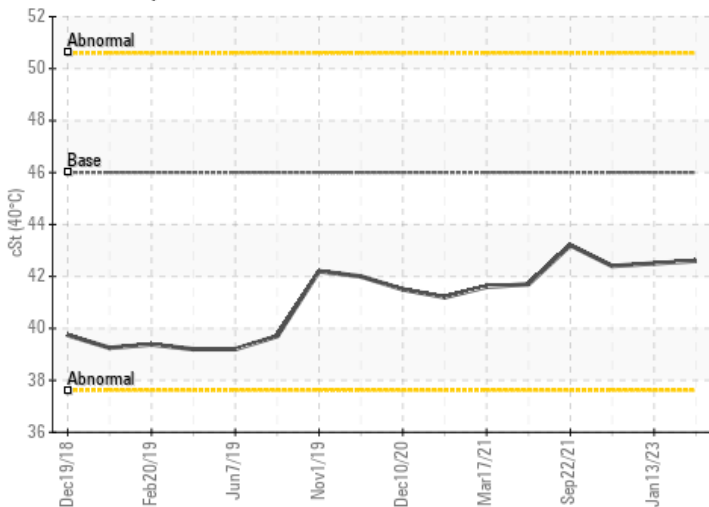
Ferrous Alloys



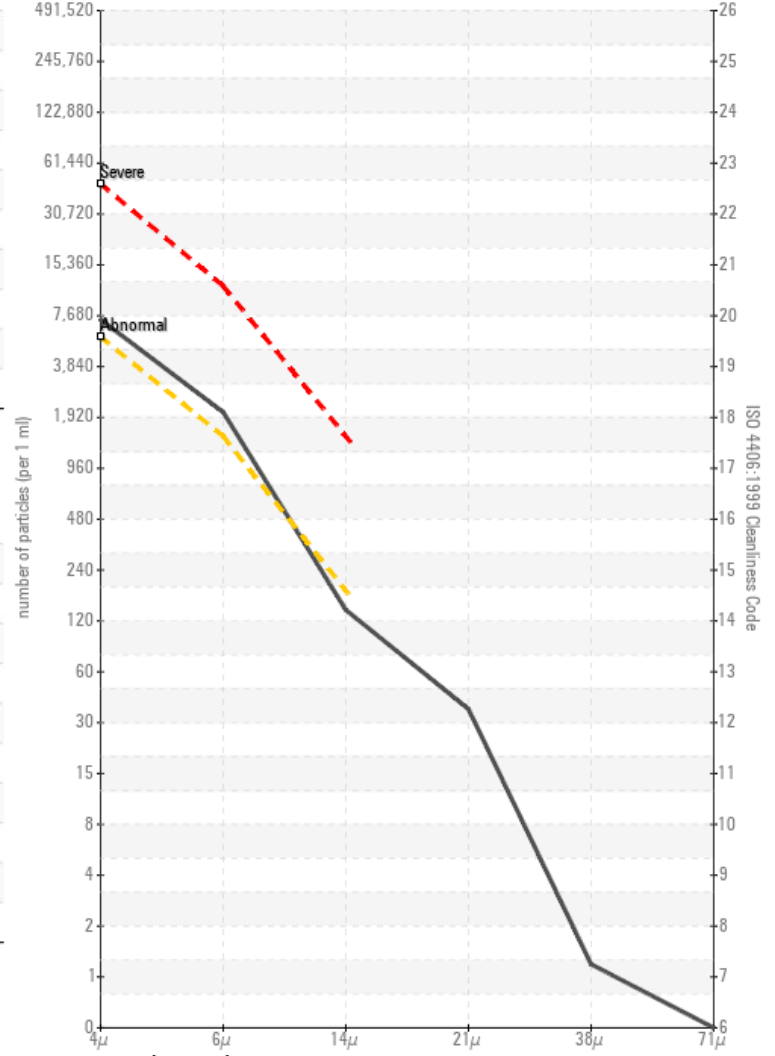
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

