



CONSTRUCTION EQUIPMENT

SPM567082 RENTALS VOLVO L120H 632941 - HYDRAULIC SYSTEM



Sample No: VCP423170
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM567082 RENTALS



SAMPLE INFORMATION

Sample Number	VCP423170	VCP366910	VCP358333	VCP309761
Sample Date	21 Jun 2023	14 Sep 2022	05 Apr 2022	11 Oct 2021
Machine Hours	2611	2013	1182	525
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	ATTENTION	ATTENTION	ABNORMAL	ATTENTION

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 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
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 F:



OIL CONDITION

Visc @ 40°C	cSt	42.9	43.5	44.0	43.9
Acid Number (AN)	mg KOH/g	0.25	0.33	0.36	0.415



CONTAMINATION

Particles >4µm		7694	5997	21117	5865
Particles >6µm		1173	813	4404	1406
Particles >14µm		51	35	334	106
ISO 4406:1999 (c)		20/17/13	20/17/12	22/19/16	20/18/14
Silicon	ppm	4	3	3	2
Sodium	ppm	1	2	<1	<1
Potassium	ppm	<1	0	0	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	4	4	1
Copper	ppm	3	2	2	<1
Lead	ppm	1	1	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	<1	<1	0
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	1	1	1	1
Nickel	ppm	<1	0	<1	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	58	62	67	62
Magnesium	ppm	3	3	4	3
Zinc	ppm	446	438	432	433
Phosphorus	ppm	333	351	362	351
Barium	ppm	0	0	0	0
Boron	ppm	0	0	2	3

Depot: VOLVO8885
Unique No: 10548646
Signed: Wes Davis
Report Date: 10 Jul 2023

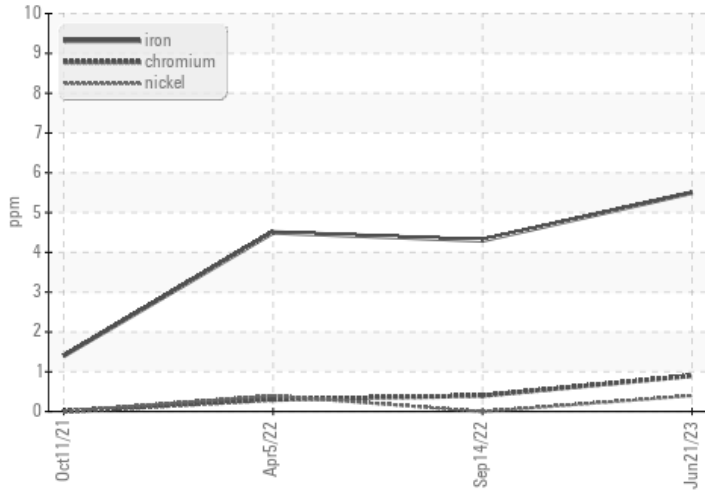


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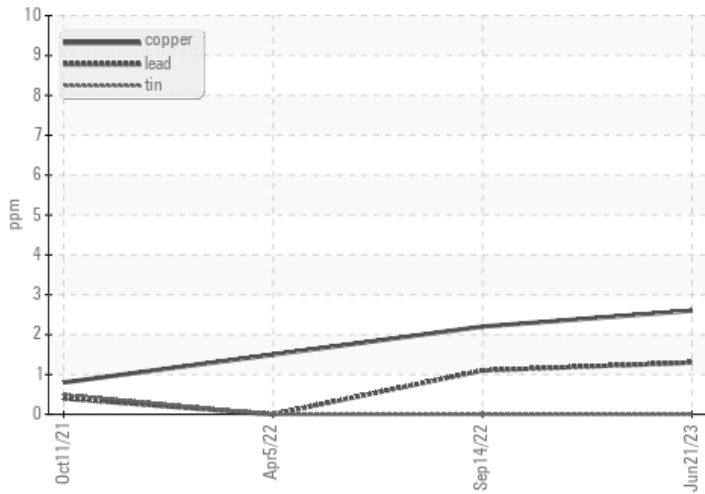


GRAPHS

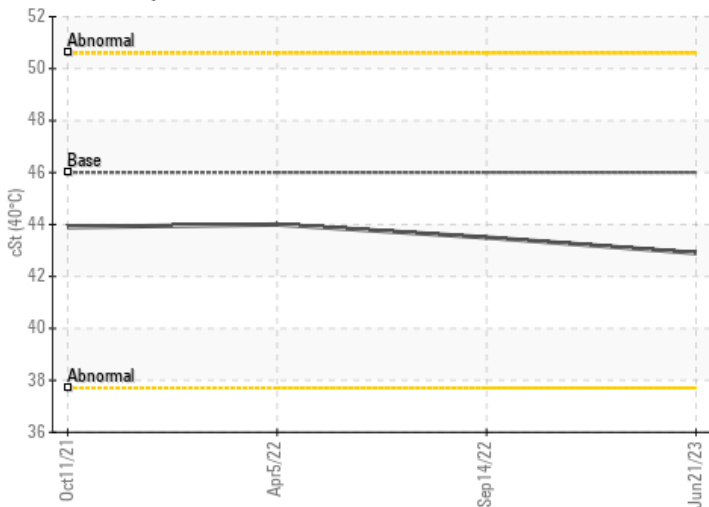
Ferrous Alloys



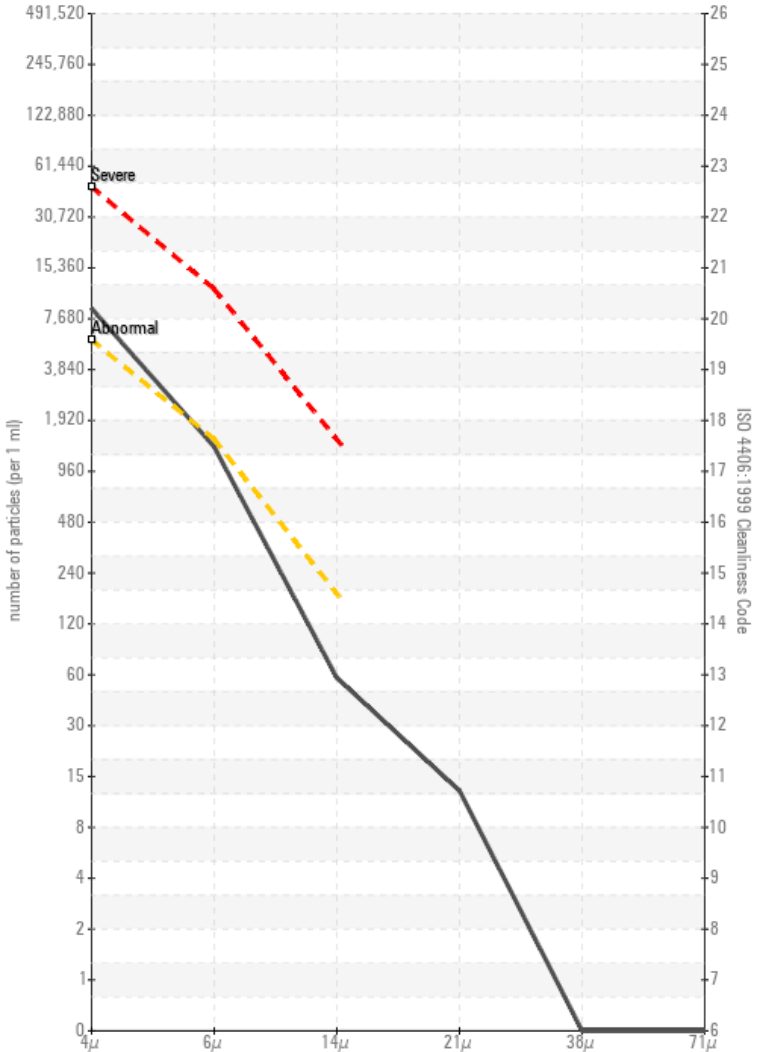
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

