



CONSTRUCTION EQUIPMENT

SWA410045-10 WM VOLVO L120E 632377 - HYDRAULIC SYSTEM



Sample No: VCP432661
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA410045-10 WM



SAMPLE INFORMATION

Sample Number	VCP432661	VCP358204	VCP367854	VCP396374
Sample Date	08 Nov 2023	06 Sep 2023	24 Jan 2023	07 Dec 2022
Machine Hours	10919	10556	9215	9000
Oil Hours	0	0	9215	9000
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	ATTENTION	ATTENTION

ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE
 BLOOMINGTON, IL
 US 61705

Contact: JUSTIN PERRY
 justin.perry@altg.com
 T: (309)533-9285
 F:



OIL CONDITION

Visc @ 40°C	cSt	41.0	40.5	32.0	32.1
Acid Number (AN)	mg KOH/g	0.37	0.41	0.40	0.41



CONTAMINATION

Particles >4µm		1114	6861	3384	4693
Particles >6µm		184	1749	702	1330
Particles >14µm		14	124	24	72
ISO 4406:1999 (c)		17/15/11	20/18/14	19/17/12	19/18/13
Silicon	ppm	<1	<1	<1	1
Sodium	ppm	3	3	1	3
Potassium	ppm	0	0	1	<1



WEAR METALS

Iron	ppm	2	4	10	10
Copper	ppm	<1	1	2	2
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	0	<1	2	2
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	1
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	42	62	70	70
Magnesium	ppm	6	15	5	5
Zinc	ppm	376	457	477	479
Phosphorus	ppm	360	465	359	357
Barium	ppm	0	0	0	0
Boron	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.

Depot: VOLVO5054
Unique No: 10741377
Signed: Wes Davis
Report Date: 15 Nov 2023

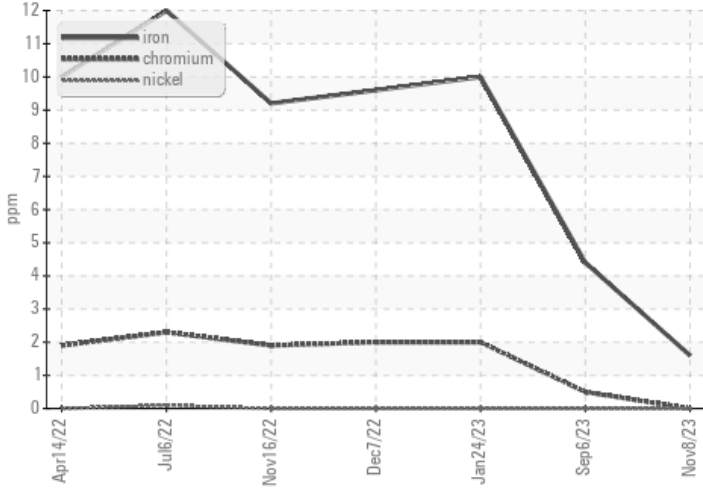


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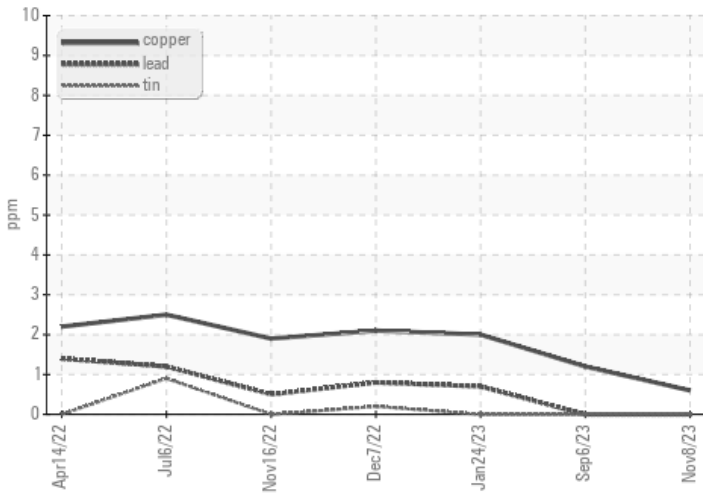


GRAPHS

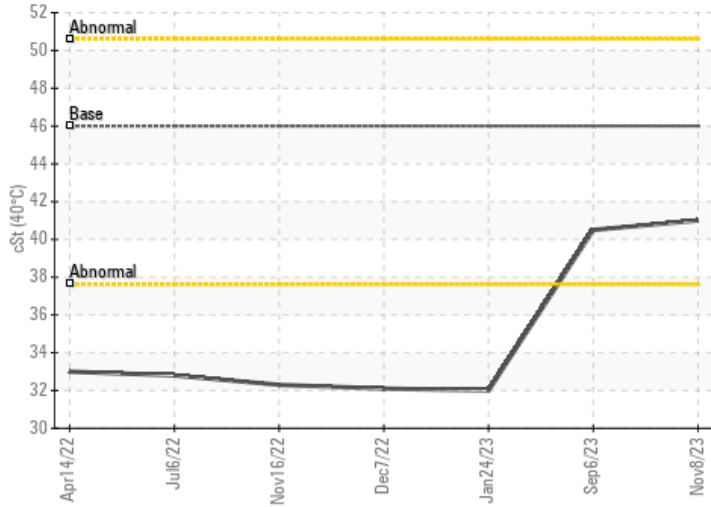
Ferrous Alloys



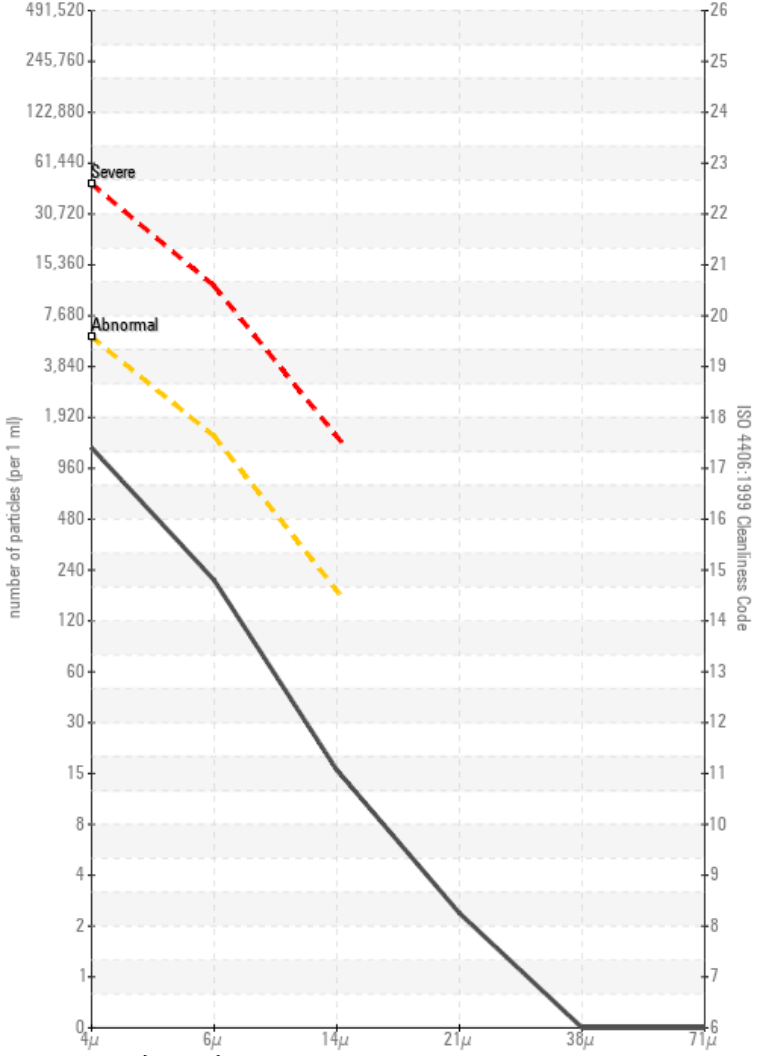
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

