



CONSTRUCTION EQUIPMENT

A11386 VOLVO L120H 633047 - HYDRAULIC SYSTEM



Sample No: VCP430933
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A11386



SAMPLE INFORMATION

Sample Number	VCP430933	VCP400279	VCP372051	VCP321710
Sample Date	01 Nov 2023	11 Jan 2023	22 Jun 2022	03 Mar 2022
Machine Hours	3400	2042	1061	510
Oil Hours	1000	2042	0	510
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

GOURMETS DELIGHT

PO BOX 160
 AVONDALE, PA
 US 19311
 Contact: GABE VALENTINO
 gabe.valentino@gourmetsfinest.com
 T: (610)268-3578
 F: (610)268-2298

OIL CONDITION

Visc @ 40°C	cSt	41.6	42.2	42.8	44.9
Acid Number (AN)	mg KOH/g	0.36	0.38	0.36	0.54

CONTAMINATION

Particles >4µm	84789	82239	10081	11305	
Particles >6µm	12792	9963	215	461	
Particles >14µm	117	68	17	19	
ISO 4406:1999 (c)	24/21/14	24/20/13	21/15/11	21/16/11	
Silicon	ppm	4	3	2	3
Sodium	ppm	4	1	0	0
Potassium	ppm	17	8	5	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 high 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	7	8	5	2
Copper	ppm	4	3	2	2
Lead	ppm	1	<1	1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	2	1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	70	64	59	70
Magnesium	ppm	6	4	4	2
Zinc	ppm	420	409	434	456
Phosphorus	ppm	335	346	325	411
Barium	ppm	0	0	0	0
Boron	ppm	0	0	<1	<1

Depot: GOUAVO
Unique No: 10737947
Signed: Don Baldrige
Report Date: 14 Nov 2023

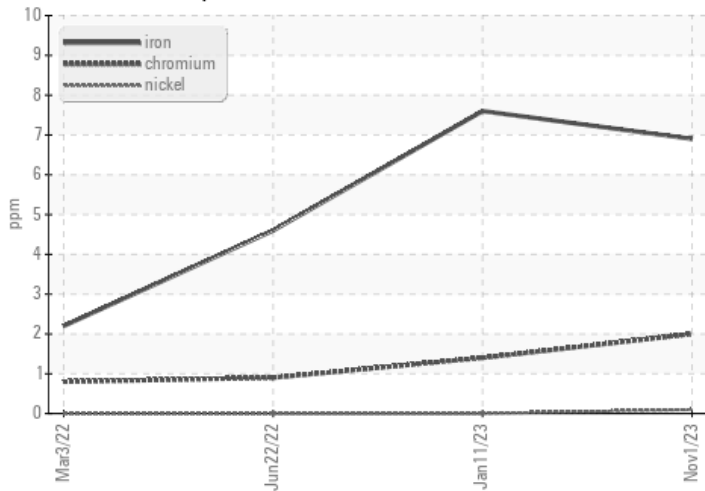


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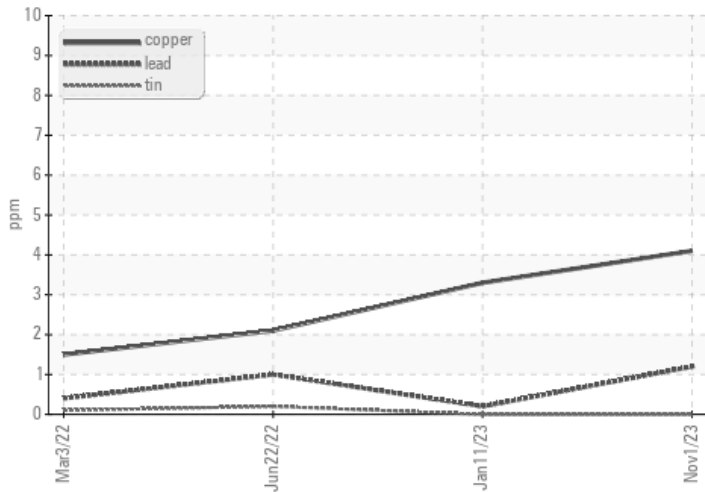


GRAPHS

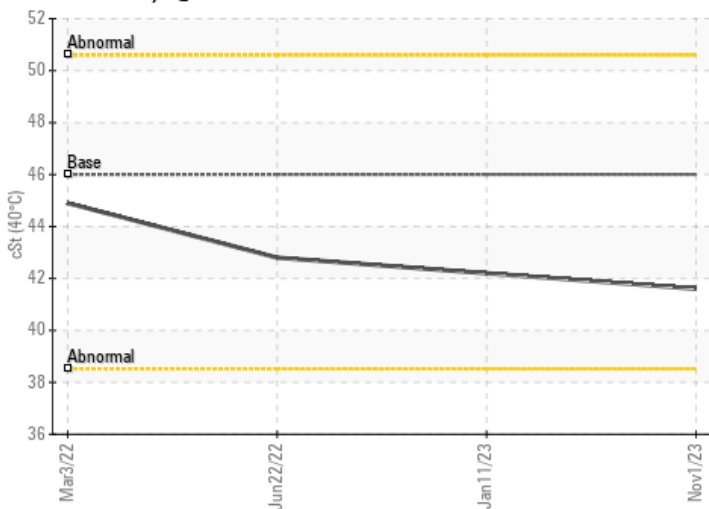
Ferrous Alloys



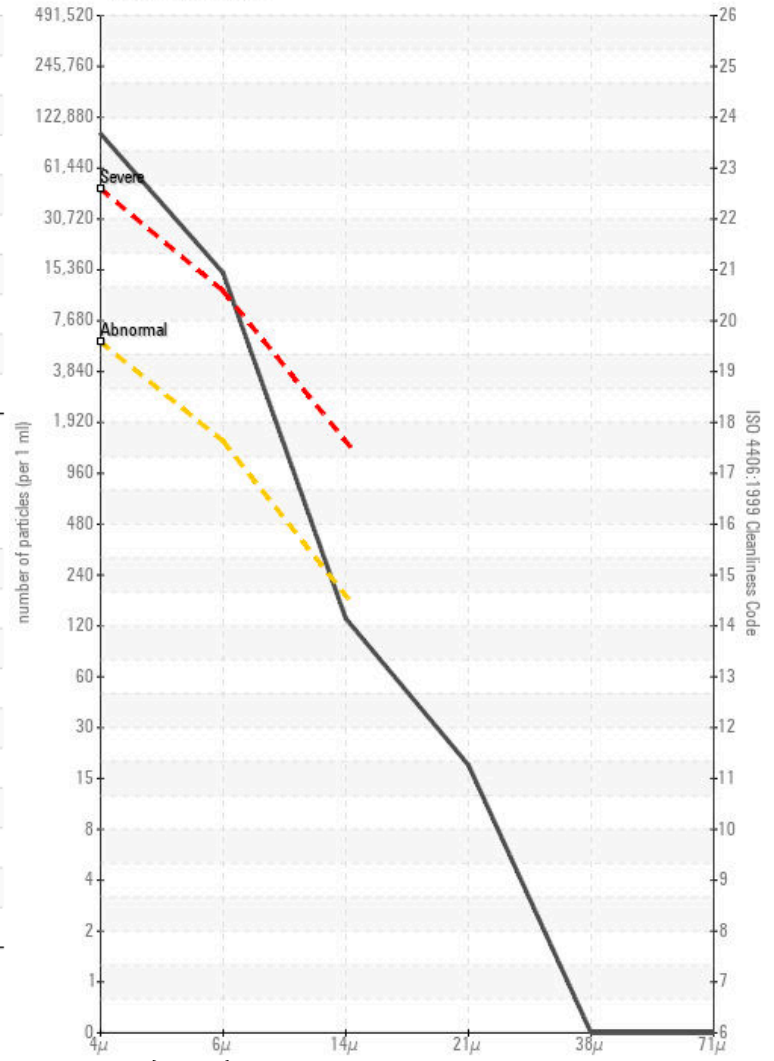
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

